

tatcatcatc atcatcactt tgatgattat tatggtttgt aaatctttta tccacttaac 180
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 ftaatatatg ttctagcata accttctaac ggtgatgctc ttttgagagt tcttccgaat 360
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<210> 34811
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 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34811

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 tccctatcgc accagatcca aatctagaac gatgggtgat caagaggaga cgcacgaaca 180
 gatgaaagcc gacatgtcgg ctctgaagga acaaatggcc tccatgatgg aggccatggt 240
 aagtatgaag cagctcatag agaagaacgc ggccaccgcc gccgctgtca gttcggcttg 300
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<210> 34812
 <211> 418
 <212> DNA
 <213> Glycine max
 <400> 34812

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 cagacagtat gaatacagca agcatactgt attatgcaca tccgacggcc tttctcatga 300
 catctctgca gccatcacac cacaacacaa tggcatagtt gaaaggaaaa acaagacttt 360

tgcagaagct gctacggtca tgcttcatgc caaagaactt ccctataatc tctgggct 418

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<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34813

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cattgttntt tatttccaga tcagcacaag tgaatattca nattatgcaa cagaaataat 360
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<210> 34814
<211> 406
<212> DNA
<213> Glycine max

<400> 34814

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caaatttaat tatatgtatg aaaaattta ctttccatta tgtgaatgat tgagttacta 360
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<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34815

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taatgcttat cagccatcag gtttcagttt tatgttgaat gtatgtatac ttcattgcaat 240
gtttatatatt agtgtcttaa gaagatgtgg tgtaagtcaa gtttagtgtg actntgtatt 300
anaccccttc ttgtgggttaa atggtatgac agtgtaatgg tgcaactttt aattctgagt 360
catgataatc aacttctgag gctattatct ataacacatt catcaattgc atatgtgata 420

<210> 34816
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34816

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ccacattttt attttttatt atatattaaa aatttatatt tacaaaaaga tgtgaaaatg 180
aggaggatat gacagactaa atagaaaaat gatagaacga aattaaaata gtttatatga 240
gttaataaat aagtaaatat ttgtaataat caatataaag aatactagca ggcataaatt 300
aagaaaataa aaataattta tttcgtattc tagcctaatc cattacaatg tggaccaatt 360
aaaatacgga tcacttgtaa canatcttaa acagcatgag ctg 403

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<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34817

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tatgaattag tttctgggtt aaagattaat tttgctaaaa gtcagtttgg gattattggt 180

gggtggtgtca attgggcttt ggaagcagct aataccctgc actgccgaca gctggagtat 240
 cctttcctct atttaggcac acctatntgg gctaatecct tcagccagct ggtgtgggag 300
 cctatcatca ctagattcaa gtcaaaatta gccaaatggg ctcagaaaat atatccatgg 360
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<210> 34818
 <211> 417
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 <213> Glycine max
 <223> unsure at all n locations
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 accccttgca ctgaaaattc tcaaactttt ccttcaatgc caciaacaca attcttccat 180
 gtttcgtaac cctcccaata gttctagtga tccacaaact ccttccaatg atgacgttga 240
 aacgcaattt caacaatttt ctactcaact tgggctagaa aacatcacat tggaacgagg 300
 agagtattct acaaaaaaaaa tattgtgact tttcttntt ttattgaaga ggatacacat 360
 cttattgggt tgtgacttaa tgtctcaatg gatccaattg ttggtgatgg tcaagca 417

<210> 34819
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34819

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 gctccaggcc aagctacttg ctcaagaaaa tgctccatag gtatgattgg cctgtggtga 180
 gccaatctc acaggctgtg catgataata aattgtgctc ggaataagct ttgtagcata 240
 gggactaagg tttgcgagct ttggacatcc ggtcctatgg ttgctgacgg aggagctgga 300
 gtagatgatg aagggatgtc atctgctcta gcccttntc togataccat ctgtaacta 359

<210> 34820
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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 agaaatcaag aagcaacaag tcaagacttc atataggata agtattaaaa gatttttttca 180
 aatttttctca aatttttctaa gttaccagag tgattactct ttggtaatcg attaacagtt 240
 ggcagtaatc gattactagt gaccagtttg gttttcaaaa tattttcaaa tggtttgcaa 300
 cgttccaaaa tgattttcaa atagtggaat cgattacact atattagtaa tcgattacca 360
 gtgaatctga atggtggaat tcctatccta ttgtgaagag tcacaacttt tcataaaata 420
 cattg 425

<210> 34821
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 34821

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 ttgataagaa agaactacgt aggtctgatt tcctcaccgc aattgaggaa tacgtaggag 180
 caaagggaaa cacccttgtc gaccacaaaa agagaaaaat ataaaaaggg tataaaggat 240
 ataaagacat aaaaagggga acataaaaaa tcaaagtcac gtttgacacat tcgattaaag 300
 gctgccgtcc cttgggacgg acgtgtggtg tgctaatacc ttccctgtgc gtaaatacaa 360
 ctcccgaacc ttttactta aaagttcgta gatcgcgctc cttcccgggtt ttctga 416

<210> 34822
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34822

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ccatatcaga aattagtgcg gtataccttt gtgttctaag caatgatctt gtttgaacat 120
gatctactag atcaccaata atttgacttt ctagatgatt tcttctcatg atgcatctag 180
tggggtcttt tacttggtct tgaattcttg ttgagtagat gcttggtgtt ctagattttg 240
tctggacgag ctagttgcta tagagacaag gagtgggtag ttttattcct tgggaacaaa 300
gaggatcgag cctcatcatc atcagatagt gagtccacaa gcgacactcc tatctctcct 360
ctccataaac gtgtttcctc tacacaanca tgcccacat tcatttagag agattc 416

<210> 34823
<211> 421
<212> DNA
<213> Glycine max

<400> 34823
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actcaatcct ggaaactaat ttttctcaga agctatggta gatcaccatt aagagaacca 120
tgttccacca tcaaatttaa agttttccat acatttttca aaagaaatat taagtgcata 180
cacttttcaa tctagtcctt tgtcaccata aaccagtaa aatattactt ccataatctc 240
cattaaagct aaaataatag ttgataaaca ccacattaag caatcataaa aaccagcatt 300
cccactcca atgctccaac cggtgaaaaa tctcttcaaa gctctccaaa attatgcaca 360
acttcacaga tcaaaaaatc caaaacaagg ctaaattatg taagtgtgaa ttatttataa 420
t 421

<210> 34824
<211> 399
<212> DNA
<213> Glycine max

<400> 34824
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gtcttcattt tgtactatct ttgtgagatt cacttttctc tctccatgaa tattatttca 120
caaatcccaa cggtggcggt gtgaagaatt gaattgcaa ccaggtgcct aaatttcaca 180
atgatccaac ggtaactag tttgtatcgt acttttattg gacaggtttc gagtctctac 240

gggaaaagag aaagctacaa tgcgaaggac atttctctta tctccaacat ttttttttca 300
 caatttccaa cgggtgagaat gctcataaat gagttgcgaa cctgatgctg aaatatctcg 360
 atgatccaac agttaacaag ttcgagattg tcaattttac 399

<210> 34825
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34825

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 tccctcacat tcaactgttc ttcttcacgg cttcaatgct catcatcgca gtgcgtactt 120
 ctctttttta cttttcttat tatgcttata ttatcttatt cttccacctc tttctcttct 180
 aggtttcttt accagggcta agccagcaac caacattgaa ttcaacgac gccacaggtc 240
 tcttttattt ttcatttaat gcttccgcaa cgcaatcttt tccatttccc tgcccctgat 300
 tcttttctc aatgtattgt agtcagcgag ctgttaaaac tgccttgtgg tgaactntct 360
 tgtttttcac tcaagtttga gtatggtagc ttctctatca tgtatgt 407

<210> 34826
 <211> 275
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34826

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 aggtgtttca tatgtatatt ttancgcttg cagataaath ttcaatttcg gctaaagctt 120
 cttcaatgc aataatgagg atgaggtgga taataaaca aatatgagac atgtaacgga 180
 gaacatggag tctatgcatt gatttaacac cttgttgtaa cttattcatt aacttaaagt 240
 gagtattttc attttgtatg ctgatacacg aatga 275

<210> 34827
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34827

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gcctggccag gagaccagcc ttcttctctt ggaggggggtg gtgnctncac agcccacgag 120
cctgtgactg aggagcccac aacaccaaca ccatcaccaa cagctacaga gaaggagact 180
actccagctc agaccccaca accatctcca ccatctgcac ctgctcctga ggagacttag 240
ccatcagcat tggatcttaa tgaagaccag ccacaggtgg agcaggacgt ttaaattttc 300
tgcaactatga aca 313

<210> 34828
<211> 402
<212> DNA
<213> Glycine max

<400> 34828
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ttaatcttct agagtctggt ctatttcac ccaatccttc tcaccttggc ttgcatctat 180
catttcagat ggagtatgat tggtcgaatt agccaaaatg attgattttt ctattatgac 240
tgggtggatgc ttactgaaag ctgggtccaat gcaatggcta cttgactcat tgagatttct 300
ccttttcccc tagctttcat atttgcaatc attgcaagtt tctgcttcat tttgttcaca 360
gccatagccc gttgcaatct tctcttctgt gtgcgagtta at 402

<210> 34829
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34829

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acagcgtcaa caaattcttg caccctggat acaaagggtt ctttgaatca gtttgcaatg 120
tatcatacat cggagcatgt gcttgctgaa aagactcttg tccaagggtc cgaatcatat 180
cctccaagtg atctcccatt tctacatcaa atgggttaga ttggaaccca ctctacatgt 240

ctgttaattc actatgccat atccatgcta tataatttct ctttaattgca tcacacaaca 300
aatgttcccg tatgtcatcg actttttgcc gtctcctgtt caaacaattt atgcatggac 360
aaaaaaactt cccattntca ttcgggttaac ttctttctg 399

<210> 34830
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34830

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tattccctag tggatggtgc ctccccctctc ctcttctcct ttgccttcca ctgcatgtcc 120
atggtggaag accaccattg aaggacctca ttgaagctca aagatccagc ctccatagaa 180
gateccacaag caagcttcca ttaataccct tggggggtag gattgcatca tgatgtgact 240
cctctagctt tacacaaagc tatgattaat gctggaaatc caagcctaga ggagtcatgc 300
tgagctataa tagagatctg gtgaaagatg aggtaaccca nattcatgtc catcttcata 360
attattccat agattaact 379

<210> 34831
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34831

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catttctcca agtatgtttg gctctatcca ttgaaattaa aatctgatgt ttcaataatt 180
ttcccaattt ttaaaaactt ggtcgaaata caattaaact cccaaatcaa aactctctac 240
tttgacaatg gaggcgaatt tattaaactt caaccatttt tacaaaatca tggcatctct 300
cacatgacaa cccacactca taccctgaa cataatggta tttctaaacg tanacaccgt 360
cacttagttg agactgttcg ttgnctacta caccatgca 399

<210> 34832
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 34832

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 aaatttctat caacataaaa ggaagatgga ttctgatact ggcctttaaa taaattcccc 180
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 tcacgggcta agtacatggt cctccacatg acaaattctg tgtaaataag tatgacttat 300
 ataaatgtta accattacaa gagacaatat tagagcactt gtctaaataa gaaactactt 360
 ggcaagccat ggcaatctaa 380

<210> 34833
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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 gtgacaagtt ctgaataaaa agtcaagaga tgctactctt ccaatgggtt tctcaagatt 240
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 caagaccttg actttgcatt caaataactt ttacaactt ttagaatctc ttgaacaact 360
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 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34834

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 aaagggttgt acatattggg ttcttgacgt tntctaggag atcccaacgg tcaaaatgta 240
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 gaacanagag aatgttactg ggggtattgt gtanggaaan gtgtggtatt gggtttgtgt 360
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<210> 34835
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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 ctatggacgc tactctttaa tgattgtttt tagtacttga ggatcgagta attattccat 360
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<210> 34836
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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 acatacatta aattgataag atattcttta ttgataggaa taaaaaata tattatttaa 180
 aatttataat aactcaccta tcaatttatc atatttgcac atgtacatta attatagacc 240

gtaaaacacc aagtatatat ggctaagaa aatgcttcat gtcatatatt aaataaatct 300
 ttccatacct gaaaaataga tcattcttaa attactacct acgaattcat tntttgtcaa 360
 atacctactt gaaaaaaaaa tttaatcctt cggntaagtg atgacgtgac agaataccac 420
 atcattacgt ccaatcactg acact 445

<210> 34837
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34837

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 atgagaagga gggagaaaacc catgctgtga tagccattcc tatacggcca agtttccac 180
 caaccaca atgtcattac tcaaccaata gcaacccttc tccttaccac ccaccagtt 240
 atccacaaag gccatcccta aatcaaccac aaaaccacc taccacacaa ctcanacgca 300
 aacggtgctt atcgtggagg agttccgng cattccattg agcattgtat ggcctgaag 360
 cataaggtgc anagtctaatt tgatgcggga t 391

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 <211> 379
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34838

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 gtgtctccca tattttccga gatagtaatg tatgcattga tcatttggct aactatggtg 180
 taaaattgct ctattatgtg ggaagataaa cttttgattt ggatgaagtg tacaagggga 240
 gatacttggg gttgcaagga cagaaaaata aagataacat ttgctatttg gatggacaag 300
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 aagtgttggg agatacttc 379

<400> 34839

<210>	34840
<211>	233
<212>	DNA
<213>	Glycine max

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gcggtacata	gagtgttaagg	agtatccaca	agggggcttct	ggcaacgaca	agaggatggt	120
gcagagggttg	gaaactagtt	tcttttctaag	tgggggtatc	atgatgtagc	tccattggag	180
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<400> 34841

14514

[illegible]

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<400>      34842
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<211>	267
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      34843
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<210> 34844

<211> 189
 <212> DNA
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<400> 34844

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 acgctcgat 189

<210> 34845
 <211> 169
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34845

cggctccata ngacggaaga aatgtctgga tgaatactgt attctatagc ggcccaaagt 60
 gagtttcgtg tctcccatat ttcccgagat agtaatgcat gcaccgatca tttggctaac 120
 catggtgtag aattgctcta ttatgtggga agataaactc tgaatctgg 169

<210> 34846
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34846

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 gaacccaact tctctagtcc aatgggtcaaa agatgttagc atttgatgcc caagtaaaaag 120
 tttccttccc tcaaacctta tcaatctcat tctttctcac aacaagttac atatggtagg 180
 aggaatccta aaacaaatgt atatagcaaa ttagcactag cctatcccct aggtctgcat 240
 atgaatataa ctactgatat aaagatgaca toggatcana catgcctcag actacccatc 300
 tgtaatgaag tcaaaaagaa aaatttcatg ttttacttga acacaaaat gcctaacaga 360
 gaacanaagg tccaattagt caactatcct aaacactaaa 400

<210> 34847

<211> 378
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34847

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 atctagtatg gctaatacatt ctccatgtat acttgttctc cattctcctt taccatggca 120
 agcctttgtg aaataacttc gatgaanaga aaaagggtctt ggatcgagtg gcctcaaaat 180
 aattaagaag gggggggttga attaattatt cataaacctt tactaattaa aaattactct 240
 tttaaggctt ttactaaatt gctaagagaa tgaggagtag aagagaaact taacagaaaag 300
 taaaagcgga aattacatgc acagcagaaa gtaaaagagt atggaagaaa gagacaaaca 360
 cacaagagtt ttataact 378

<210> 34848
 <211> 425
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34848

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 tcctgtaagc tttggttaag gattgattgt attgagctat agcttgactc tcgcctgtaa 120
 atgatgcaac ctgcattgga ggaatgtgta tcttttatat tctactgtct acaaacatgt 180
 aaaagaacaa gattgacaag ttccattatg aagattggca tacttgtcga attgaatcaa 240
 ttgtgcgctc tactacagtt gctgcttcag aataagctgc ttgtccatgg gatggcaact 300
 ttgcaaaagt aaagctcatc atggaaccag agattaccag aggtggaata caagatagaa 360
 ggacaagggt tagaagccaa cccttgatga atgctatgac taaacgtcct aaaaaacatg 420
 ccaca 425

<210> 34849
 <211> 369
 <212> DNA
 <213> Glycine max

 <400> 34849

tgttaattggc cttgttgaca catgtgagga tcatgtggac ctttgttttg taattgtcca 60
 tgtggatttg catgaaatat agtatgtgat tatcaatttg gggaaatggg attaaggttt 120
 acgaagaatg aaattgggtc ttcttatttt tgtttttgtg gcagttaaaa gttgccagta 180
 tctaaatatt ataaatggtg ttaactttta attgatttga atcaatttaa atagataaag 240
 gattaaaatg aattttttta aagataaata aataaattaa atctaaaaat aaggtaaaga 300
 aaaaaaaact atatgacaat tcttaattta ggttcccaac actaataaat taagagcata 360
 tttggattg 369

<210> 34850
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34850

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 gatgtccgat tcgggggaaat aatatatcga gacgcacgaa attgaacaac ggaagctctc 120
 gagaaatttg aatggtcata acatttcaact cggatgttcg atccggggac ataatttatc 180
 gagacgctcg aaattgaaca accgaagctc tcgacaaatt agaatggctg taacttttca 240
 cgcgaaatgtt cgattcgggg acataactca tctagacgct cgaaattgaa caacggaagc 300
 tctcgagaaa ttcgaatggt cataaagttt cacacggatg gtcgatttcg ggacataata 360
 tatcaagaca atcgaaattg aacaac 386

<210> 34851
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34851

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 agcaaganat gaagagccaa tggttgatac atggacggag atgaaaaaga tcatgaggaa 120
 gcggtatgtt ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccba 180
 aggcaacaag ggggttgagg agtattttcaa ggaaatggat gtgctcatga ttcaagcaaa 240

tattgaagaa gatgaggagg taactatggc tgcatttctt aatggtttga ctaatgatat 300
ccgtgatatn tgtgagctgc acgagtttgt tgaaatggat gattngcttc acaaagcaat 360
cccagtggag caacaat 377

<210> 34852
<211> 413
<212> DNA
<213> Glycine max

<400> 34852

agaggacgtg agaagacatg ctctatgatg catcatgaca cgtcctatag taggctcttc 60
agaatgcatt gttatgcgtt tatgatgggt agaatagctg atcatgaata ggccacgaaa 120
atgatttgaa taggtacaac ctctataact actcgacaac catcgtgagc gttacgacct 180
ctgatctcca ttcgaaactt actattgggg agcgcatacc caaccattgt catcgaccac 240
accaaacatt gttgcgaaac gatgagactg tacacatatt cctgcccggc aatttaagca 300
tagaccagtc atatccttcg acaaactctg acacccttgg aagtgatata tcgtttgatg 360
attactcaca cctatagttg taatacaata acagatcatc gttatcgata act 413

<210> 34853
<211> 284
<212> DNA
<213> Glycine max

<400> 34853

actagtgcg ctcttgagca tcttgtatat tagcgagctc tgtcactctt acgagttaaa 60
cagtatcgct ggcaaatctt gcaactgaact tatatgttca actgctagcg actccaccta 120
ttacgggact gactctgaca ttagagtcac aagtaattgt agtgagaatt tgctcatagc 180
ctatgaaatc aataacaagc atgggaagat cttacggtac tgaatcgac atacgagtca 240
gaacttattg tcattggtaa tttctatgag cttctgattt ccat 284

<210> 34854
<211> 203
<212> DNA
<213> Glycine max

<400> 34854

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 tggaggaatc gtctgtgagg cccaagtggg catgattgct atttgcaccc ccattttttac 120
 taaatgcacc cccttctatt attttggttaa ttctttttcc gtaacgatac caaacttgcc 180
 gactttcgta acgatactta ttt 203

<210> 34855
 <211> 327
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34855

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 taatcttncc accattctct atgagtgact atttcatgat acgcttaatc acgtacgatg 120
 gatgccgtgc cggtagaaca caacagcttt actactttaa tgctgactcg gggggacaca 180
 tcattataga cctatttata atattactta cgcttatctg cttaatgtat ggatctcgca 240
 annannccac caccnagcat acattactct tttctttgtc attattgacg agcattacta 300
 tttctttggt accacaccac aattagt 327

<210> 34856
 <211> 466
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34856

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 ccattgtaaa ttgtgcacac gacgatattt tgctatatga tatctactca gcanagtggg 120
 tttcacgcaa tacataggta agaggtggct gactctacac cgcgtgggat cctgagcacc 180
 tgcaactgatt agcgtgctac aaccgagatg cggacattct atcgttactc gctatgagag 240
 atgttcgatg gaaagaaaac acgactcgga gggtgcaacg ctattacgac ctgttgatca 300
 cggaatatgt ggacgttgcc acataaggac gatatatagg agtggagaag tgatttttggg 360
 aacgtattgc agtatgaatg ccaagaaata ctccattgag tccttactga tagggaaccc 420
 tttaaagtgg agagctcaca tttgatgact agatgaacac tgcctt 466

<210> 34857
 <211> 495
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34857

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 gtaaanctgc ctgcggcatg cagcattggt atggaagaca gtgagaaaac aacaagtgga 120
 gagtattgat tcgcatgact tcagatcatg agcaataata tattgttagg aacaaaagcc 180
 aaggacatac tctgttatat atgatggcgg acaagagcac ctgcgtcatt tggttaatgt 240
 gacgtctaaa tgcgtcaaaa ctatatggat tgaaccctcg cacttatttt catgtcatga 300
 tgagtgaatg cattcacttg agggctctat actgatctca gatgatacat acccgcatgt 360
 cctatgtcac tcaatctatt taaatattgg acgatcactg cctttcacat cgctgatgaa 420
 gtgagcaaca ttatgcacta ggctagatgc tgaccacggg aaggctaaga cattcgttca 480
 caatacagca ccacg 495

<210> 34858
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34858

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 gcagaatatg atgagccaat ggttgatata tggacggaga tgaaaaagat catgaggaag 120
 cggtatgttc cggctagtta ctcaaggac ttgaaattca agctccaaaa actaaccgga 180
 ggcaacaagg gggttgagga gtatttcaag gaaatggatg tgctcatgat tcaagcaaatt 240
 attgaagatg atgatgatgt aactatggct cgatttctta atggntcgac taatgatatc 300
 cgagatattg atgagctgca tgagtttggt gaaatggatg atctgcttca caaagcaatc 360
 caagtggagc aacaa 375

<210> 34859
 <211> 196
 <212> DNA

<213> Glycine max
 <400> 34859
 atacaataca caagctagcc gccacggagt ttgccgacta tgctcttgcg tgggtggatct 60
 tgcttctaata tgagagagca cgacatgaag agccaatgag tgatacatgg actgacaaga 120
 actagatcat gaggaaccgg tatgtatcgg atagttactc aagggacttg aaatttaagc 180
 tcctaaaact aaccca 196

<210> 34860
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34860

agcttccatc tatgaagaaa ttcaagagga tgttcaaaga gattcaaagg atgtaaaaga 60
 ttgtaattaa tgtcttttaa atgcaagtta tggctctgct tttatagact cttcatgtct 120
 ggtcaagaaa atcattagaa gagttataac ctttagaaaa acttgaaaac cattggaagt 180
 gttacatctt ttgattttta ttcaaaactt atcattggta atcgattacc aaatcattgt 240
 aatcgattac acaaagcatt tttgtgaaag gatgtgactc ttcacatctt catgtctggt 300
 caataaaatc attagaagag ttataacctt tagaaaaact tgaaaaccat tggaagtgtg 360
 catcttttga ttttattcaa acttatattg gaatcgatac cnatcattga atcgatac 418

<210> 34861
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34861

gttggtgcat agaagaagaa gaagttcaga gagattcaaa gcttgtaaag gattgatcaa 60
 atgaatgtga aaagtatatt gaaaatcaaa tcaaagcctt acttttatag actcttcatg 120
 tctggccaag aagaccattt agaagagtta taacttttag aataacttaa aaccaatttg 180
 aaaaagtcaa aaaccttttg aagagttaca tattttttat ttattcagag acaaacactg 240
 gtaatcgatt accatattag tgtaatcgat tacacagagc ttttgtgtga aaagatgtga 300

ctcttcatat ttgaatttga aattcaacgt tcaaaggcac tggtaatcga ttacccaaaac 360
attggaattg attacagctn tgtgaaaata attggaac 398

<210> 34862
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34862

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tggaggaatc ttttgagggg cccaagtggg catgattgct atttgcaccc ccatttttac 120
taaattgcacc cccttctatt tttttggtta ttctttttcc gtaacgttac gaaacttcac 180
gactttcgta acgatactta tttccttccg caaggttacg aatccttacg gattatgtat 240
tttctctttt ttagcttttg aagaagttac ggaaacttac ggattgcgca aaaacacctc 300
ttttcgactt ccgccacatt acggaattac acggatcgcg caagcctgct tccttttagat 360
ttctgagacg tctcgggact tcatttattg tgcaacanag gacgccaagt atctc 415

<210> 34863
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34863

tctgggtgact gggaagcacg ttattctggt gttttccaga atcgtttccct tcgccaagta 60
tgtgtatatg tgtattatat tcgntgntct ggttggtggt tgtattacgt tntgtgcaga 120
agaaaaaaga agaagtagag atgagagtcg tcatcacgga aagggcagga cggacgaaat 180
cagtgnctta tctttgcttt cctcttatca tagatgagag gtaagtaaag aggggcaact 240
gtcataccct aatttcgtcc ggngattatt acttgatgac atgcaacctt tggttagccg 300
ctttgagata cttggcgctc ttttggtgcac gataaatgaa gtcccagagac gtctcagaaa 360
tctaaaggaa gcaagcttgc gcgatccatg anattccgta atgtggcgga aattgaaaag 420
aggtgt 426

<210> 34864

<211> 410
 <212> DNA
 <213> Glycine max

<400> 34864

agcttttcgtc ttgttacagc taaaggggta ataatgttaa tcatgcacaa tgaaagctac 60
 gttagaaaag ctagttgaat tattatttca tgaaacgctt cagcatgtac atggctgctg 120
 tgccagtaaa atacaacaac tttagcactt taaagttgta actgaagcac acctaatata 180
 agacctatat aaacatatta attaccttat ctgtttaatg ttttgatcta ataattagct 240
 caacacagat caaacatagt cctccccctt gtcattcttg acgatcttcc ccttcccatt 300
 attattccca caaacaagt ctaggttata aagaatcggg aacattgcca cagaagacaa 360
 gaaaaccaac acaggcccaa agatccaaag cagaagaggg agtgctgagt 410

<210> 34865
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34865

tgtgatgacg acataagttc aagtcaggaa tatatatata tatatatata tatatagcat 60
 gttgagagac aaatgtggng aaaagttagg ctgggtcttg aagaatccat gccatatgga 120
 tgctacagag tgaaagggac ttgttttagt gtagagagat gaagaaagtt ctacgttaat 180
 ttggaatatg atttggtggt tggaaggaga accgtaaaag aggggtgcaag agttttccaa 240
 cgtgttccag aggcttcagt tgttactttg tcaacatatt ggtcatattc atcggactac 300
 agctttttctc ttttaagtaat ggtttgggca atttcacact aagttgggat taagtccaat 360
 atcaatacca tacctactag ntacgttntc ggctattgct tcctgcacct cttttatggg 420
 ttctggaatg gtcaatcccg 440

<210> 34866
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34866

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 tgctttgcat tgggtgaaaac ggataacaaa ggattacttc tttgtgtatt acccatgtaa 120
 aaaagtcaac tttttgatga tacattcatc caaaatttca ttgacaattt cctccaacta 180
 cgtcagcaac aaacatagga aatTTTTTgt tgacaaatcc gtccacagat gccacgcaga 240
 acattccatt tgctttgaca gagatattta atgtttggac taaattgtcg cactttcctt 300
 aaatccaagg acaattnttt tttttatctt ttcagtacta tagtggttaac tcattacaaa 360
 ttcanggatt gaagtgacta atttatactt aat 393

<210> 34867
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 34867

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 aaggtctgag agaccatata agtttcttaa cgatttctaa ttatgtgggc cattaagtct 120
 atcatatgct gacaatagcc gagaagccca tgaatctctt cgggggaggga gtaggtgtct 180
 gccatcgct tggccttagc taacaatcgg agaaggtctt gactcccgct caaggtaaga 240
 gcaaaccgat ccattccat ggttgcctct tgggtgaaag agtcgatcac ccttactcta 300
 gcctcttttt ccgcatatac ttgggcatac tcatacgcga ttctatgctc gtggggcgtg 360
 gctagacca actcttcttg gtacttggcg atgat 395

<210> 34868
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34868

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 agtcacaggc attgaactac tccattgtga ttgcatggat catgagtata taagtatcat 120
 cacatattca cataaatctc atttatgatt acttattatg cacatacctg tcttccatcc 180
 aagcaacact gtacagatca cccaagcagg ttgaatattc tgggggagga ctaggatact 240
 cccagggca atatgttccc caactacttt cttctgcatt ggaagctgtg gttgcataaa 300

tattgatatc ttcgggaaga agaccttcaa agatactccc agattcacat gctncagat 360
 aaaatacctg cattaccatc atgt 384

<210> 34869
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34869

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 tatcttttgc ttcgtagcca tgaccacat cttccaacca tcaccacctc caattggtag 120
 ccatgactaa tatatttcca ccatcaatat ctttgtttag taaaagtgtt atgggatggg 180
 ttacgataag tgtgcttggt tccttacct gngtttgtaa acttatccct aaccaaatta 240
 ataccaaca atacagggga caagattggg tggactagac tntgtagtat tatatatata 300
 tatataatat tntataaact attcttttaa gtattgatta attaacanaa ttgtgtcaca 360
 ttatataagg aaaaaatatt atatataaat atttattaat aacataaaca ctatgtaata 420

<210> 34870
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34870

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 tacaccattg ctaacttaga aattgggtctg aaaatcagct tcctagaagt tataaatatt 120
 ttaaaattaa aaaaaatggt ataatcatat aaatatgaac taaaaaaca tattgtctcc 180
 attttgaaat aattatagat aaatgttaac aacacactat tacttgatga atttcctaca 240
 acttttaata acaataataa aaaaaagagc tggcctaagc tttctagtgg aactcaagaa 300
 attcacctat taataaagag cttgatgaac agtgtgcatg anagaatggt tatcatataa 360
 gatttcactg aaggattaag aacaatcaat gaatactatc agttntaaag aaaacattac 420
 tgaagtagta gtccattgaa ctatatta 448

<210> 34871
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 34871

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 tgagcccttt caagaatgga tgataaatga taattctgaa ttgggaaaca taatattgca 120
 tatcatgact acgtgaatgg ctteccatgg ccaccaagat catacacttg cagcttttgt 180
 acaaaggagt ttaagtctgc tcatgcactt ggtggacaca tgaatgttca taggacggat 240
 agaccaaggt tgaggcagtc atcaccctca attcatgaag atcaaggaca agctgctgga 300
 cctatatagc acaaccttaa tcttgaccct aacaacaact cactctcatg atgatgggtg 360
 c 361

<210> 34872
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34872

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 ttgcgaacaa cttatatgta catagtgaat aagtacttat catataagca ctaacgtata 120
 agctatgtta taagttattc agccagatat ctgagatgag atgaatgtgg cttatggaca 180
 catcataagc taattttata agttctctca aacacttaca gaagtgcctg tgttataagt 240
 tcaaataggc tatcaataag cattttccaa tgcattat aatttgacct ttnttgagt 300
 gatcaattac aggaaggcca gctccactgt ggaggagggt gctagaacat gaatcataac 360
 tatgcttaaa 370

<210> 34873
 <211> 262
 <212> DNA
 <213> Glycine max

<400> 34873

agcttaacaa tgttctgtcg tcgagagtca gacgaggcgt ctacctcact cttgacggtc 60

055107-9072160

tttatactat ccacgtacta ttctgtttga tcacactgca tccttctaac agctaaaatg 120
 tgacctcact tcatgtgtgc tttatatata ttgcccaacg ctccttacgc aatgcaatac 180
 tgtgtggtaa agtgattgcg agcttcgatt atgtctccat acacaactct cccattgaag 240
 taccaacatg aaaatggata tg 262

<210> 34874
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 34874

tgatggctag tgtaaacatc tactatacat acaaggcagg attgatatcg cacgtgacgc 60
 tactggagga aactcatat gttgaggtgt gcatagcagg cattacattc gttgctatgg 120
 atgtatgtac tcctggacta cgttatagct gggagacata cagcttttca cccacccttc 180
 caccattcaa aacgctgttt agagtatttt ctacacctga gtttagtata actatatata 240
 cttgaatacc acaccatttt atagagcgtt ctttagagcc tgcattgatga tgtatattat 300
 cagttacgaa agatga 316

<210> 34875
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34875

caagacttat tccttagtgg atggcgccctc ctctcccttt ntctncttta tcttctgcta 60
 caactctatg ggtgaaaatc accatttgag gaccttagtg aagctcaaag atccagcctc 120
 agtagaagct tctcaagcaa gcttccatca ngaatgtgaa gtgatactta caagaaagca 180
 aantacagan ggccttgtgg gtgatgagta atgganggtg tagtaaaaga tgtaagtgat 240
 gataaggaag tgtangagag cgagaagtgg ctaaaaataa agagaaaaaa aaatgagtgg 300
 gtgaaatgta gaanananaa atgagaaaag ccaagaaaaa gagaaatagt tntaaagaga 360
 gagttgatga ggtcttagct tttagacta gagtcaaata acgagagaag caaagagg 418

<210> 34876
 <211> 412

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<223>      unsure at all n locations
<400>      34876
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gacactataa atactcagct tattaagagg cttcctcaag aagcttcctc gtggcttctt	60
tgtataagct ttctcaagag gcttctttga taagttagat ccttatctag ccacacctct	120
ctattaacta aattaacctc cttaaaaata attacagata aaaataacgc aacaaataat	180
caaacatcaa acataattac taataatata tagatatata tcaggggtgtt acaaaccaca	240
tttcagtagc gtcacttttg catcctgcac ccaccaatat acttgcacat ccacaccatt	300
ttggataatt tgaaaanttt cctttcgtga atctgttacg aattatgaat gtataaaatc	360
gttacgaatt tgtcattggg atgcgtcaat ataatttttt tttgggttatt tc	412

<210>	34877
<211>	422
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      34877
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agcttttgggt	gggacacatg	tcaacacctc	ctanaaaaaa	ctctctccat	aactttcttta	60
taattttttct	tcaaatttat	attaaatatt	ttttgtgtaa	tattatatta	tgatagattt	120
atataattac	taataaacca	ttaaaaataa	ttataattta	tttaactaat	ttttttactt	180
taaaattcta	caaaattatt	tttattttaga	aatcatataa	aaataattgt	aaacagctcc	240
ataaataaat	attttgttgg	taaatattta	tattatatgg	nttatatttt	tataactaaaa	300
attagtttaa	atatagttaa	tattttataa	taatttgact	ctatgttttag	aatttttttta	360
ttaaatatat	tttaaataaa	ataaaaaataa	ttttgtggct	ataatcaaat	atatntatc	420
tg						422

<210>	34878
<211>	423
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      34878
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tgaaagctag gcaattgagt tagagttggt aattnttttc tacacaaaaa caggttataa 60
 tgtccattta tatcatgtca gtaggtcctt tccagatttt tttgctgaag cattatccct 120
 ttgctagata tctatgagac atatatctgg gttgttatca atgcatagta gttcttttaa 180
 tatatatata tatatatata taattggaat tgagcctaac caactccctt tcagggggcc 240
 ccagggactg ggaagactca gaccatactt gggattctaa gtaccatttt gcatgctact 300
 cctacaagaa tgcattcaaa gtaagtgtaa tatttttata tattnttgta gncttctatg 360
 tctaanaact tcgtacccca ttgcccagag gctcttcgct atgcgaacgt atggggggagg 420
 gat 423

<210> 34879
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34879

agcttcatgt agatgaacca agcaattntg atgatgccaa aagcctaagt gattgattca 60
 agacttcaag atcaagcatc aagaatcaaa tccaagattc aagcattcaa gagaagaaat 120
 caagaagcaa taagtcaaga cttcatatat gataagtatt aaaagagatt ttcaaaaacc 180
 aaatagcaca gttttgtttt acaaaagaat tttctcaa at tctctaaagt taccagagtg 240
 attattctct ggtaatcgat taccagtgc cagtttagtt ttcagaatat tttcaaatgg 300
 gttgcaactt tccaaataat tgtcacatag tgttatagat tacactatat taggtatcga 360
 ttacaagtga atctgaacgt tggaatgtat atccaagtgt gaagagtcac aacttttca 419

<210> 34880
 <211> 427
 <212> DNA
 <213> Glycine max
 <400> 34880

tcaaacctct cacaaaggag aagacaaagt aaagaatgtg aaatctaaac tgatgaatgc 60
 aatacaacag tcgcaaatag aaatagttgt tttctccaaa agctatactg aatctacttt 120
 gtgtcttgag gagcttgaaa aaatcattga atgcaataaa ttttaaggcc aagtacttgt 180
 gcccatat ttatgatgttg acccatcaga tgtacgccat cagaagggtg cttttggaag 240

agcatataaaa gaacttgac aaaacaaata ttcaagagac catgcggcat aagtgtttgt 300
 gatgtggagc cacacactca gcaaaactac agacttttgg tgttgggatg caagagagca 360
 atgttgtag actcgtgatt ctacgtagaa tcgtgaagac ttcgtaaact cgacttcgag 420
 aatcgaa 427

<210> 34881
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 34881

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 ctacatacac aacgtgtaca gtggaaatca tacaagtgt gagattctga tcagaaagag 120
 aatagtttgt tagaatactt gggaaactga accttagctc tactcagaaa ggggaaatcc 180
 tttgtgaata ggaaaccctt tgaaggataa tctcaacttt gtttctttgc aattcaagaa 240
 atactatcaa agcatatttg ttccctttca ttcccttagc attatgctat tctgctacta 300
 actttaactg catttaaacg ttgctcataa ctaacaaagt ttatttggtt agattgatcc 360
 attgagagcc cttcaatcat caaagctcat tcccatgatc ttctgttacc acttcaacaa 420
 ccattt 426

<210> 34882
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34882

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 gaagaacggt cgaaaccttc acgaaattct tcacggaaaa cgttacggaa acgtttcgga 120
 agcgcttcgg cttagatttt ttacacggaa acaatttttc caagcaaatt cgaaagagag 180
 agaagtgcc aaggggctga accccttcct tcttcacttc ctccctatt tatagcaaaa 240
 taagggaggt gggtgccgcc cagctcgccc aggcgagcca ngttgcttcc tccagaagca 300
 acagccttct ggaggaatct tctgga 326

<210> 34883
 <211> 476
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34883

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 gcgcactcat gggccttgga tgtaatctc tcgtgcgtga gaggttgtgt gatgagctag 120
 atacgtacat agccacaccg ctctaataac taaagcaacc tccttgaaag ctaatacaca 180
 ggatgataac gcgaccata acctacagca gacataacta ctaatgagat agtgatatat 240
 atccgggtgt taaaaaccga acttcactag cgtgactttt gcattctgca cccaccgata 300
 tacttgctca tacacaccat tttggataat ttgaataatt taccttcgcg aatctcggac 360
 caaatatgaa tgtgtaaaaa ccgcacgagc ttgtcatttg catgcgcca cataacatgt 420
 ttgtcggtaa ctctactaca ttgagcgcgc atatatacaa actgagctca tgtgcg 476

<210> 34884
 <211> 483
 <212> DNA
 <213> Glycine max

 <400> 34884

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 gcgaacccaa caggttttta ttcatatgta tgaaccagac ccacgggttg gcggttagag 120
 ctctgtgtgt gacacaccat acagaccttt gtccttccat gcaggagagc gtgcaaaaga 180
 acagactgca acttatgtct gaggcattgta cctttgacca cttttaacta atgagaacaa 240
 tcaaacacag tccagctatt atgacctttc cagcagaaga tacaacctg gatggaggaa 300
 tcaccctaac ctcatatggt ccagccctca gcaacaacag cagcagcctg ctctcttctt 360
 acaaaacgct gcttgccgaa gcggagcata caatccttgg ccgatcaaac aacagcaaca 420
 accccagaga cagtcattcag ctgacgccgc tccacaaaact tccctogaag aacttgtgaa 480
 gcg 483

<210> 34885
 <211> 414

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34885

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 aatctgtacc tgtcgcaagg gtttgtgggt tgtgctctc tgctgaccac catacagacc 120
 tttgcccttc catgcagcaa cctggagcaa ttgagcaacc tgaagcttat gctgcaaata 180
 tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagagc aattatgacc 240
 tttccagcaa cagatacaac cctggatgga ggaatcaccc taacctcaga tgggccagcc 300
 ctgagcaaca acaacagcag cctgcttctt ccttccaaaa tgctgctggc ccaagcagac 360
 catacattcc tncaccaatc caacaacagc aacaacccaa gaaacaacca acag 414

<210> 34886
 <211> 416
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34886

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 ggaatcttct ggagggccca agtgggtctg gttgctatct gcaccccat tttactaaa 120
 tacaccccaa cttttttttt gtgcttcttt tttcgtaaag ttacggaaac ttatgaattt 180
 cgtaacgata cttgtttttt tttttccgta atgttacgga accttgcgga tttcataatc 240
 antccctttt tgacttacgg aacgttacgg aacctcacga attctgcaac gatgcttctt 300
 ttttgatttt cggtatgtca cggaacctta cggattgtgc atcaatactt tcttttgatt 360
 tccgacatgt cccggaactt cacanaatgc ctaatgatgg gtgccaagca ccacac 416

<210> 34887
 <211> 423
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34887

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tctcttagag aacttgtgag gcaaatgatt atgcataaca tggcagttca acaagacacc 300
 agagcctnca ttcagagctt aactaatcag atgggacaat tggctacaca attagatcaa 360
 caacagtgcc agaattctga c 381

<210> 34890
 <211> 154
 <212> DNA
 <213> Glycine max

<400> 34890

tcactgatag tagtattgat gtagctatca tcaaggaatt ctatgtcttc ctctacgacc 60
 cataagacaa gtcacctaatt caggtgacgg ttagagggtca tttgatcaaa tttgatgaaa 120
 atactttgaa cacattcctg aagacccttg taat 154

<210> 34891
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34891

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 acaatagcat catttcttgc actgaattgt tgggagttag aagccatctt ctcatcaaa 120
 ttcttggeet cagcaggggt catatcacta agggctccac cactggcagc atcaatcata 180
 ctctctcca tggtgctaag tcctcatag aaatattgaa gaaaaagttg ctcanaaatc 240
 tgggtggtgag gacagcttgc acacgatttc ttgaatcttt ccaggtactc atacaagctc 300
 tctccactaa gttgtctgat gcctaaaatg tcttttctga tggcaatggc cctagatata 360
 ggaaagaatt tctccaagaa cactctctta aggtcatccc agctgaaaat 410

<210> 34892
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 34892

taagatatta aggatctgag caatttcgaa tagattcatc aaggttaagg gggctctatca 60
 aattcttgaa ccctaaccctt gttgtctttg gaaactaagt ttcattgaat gttgttttga 120

ctcattcatc anagttacaa caagtgttac acatgcttct atntatagac tangtagctt 360
ccttgagaag c 371

<210> 34895
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34895

agcttactat tattattaga ctaatacaaa aattacaaaa ttatgggaca atgttaataa 60
ttaatgttac actttaagca ttacaggagc tagtaggtca ttagttttac acttgggccca 120
tagccagtca ttaatgttat agttggacct tattggacct tgggaaacca tggttgttat 180
acttaaacat tatttggcct tagttaatta ttggtgttaa actttaacct aattgagcct 240
aacttaatta ttagtgtaac aatgagctnt gttgggcatt aaatagtctt taactttata 300
atttagccta gtagggctct tgacaatcat tagtggtaca ctnggggtta attggacatt 360
ggtcaatcat catca 375

<210> 34896
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34896

ttntactnta ttatttaact ataactttca taataattat ttgtaaatta tacttanggn 60
gaattctaaa tagctattag tggaaataag aaaacatcga tgacatatga aaatcatacc 120
tcattacaca atttcacaga attgttagta tgtttttttt ttggattttc aagggttatga 180
tttatttaga atgtttatat taagagatag acatttctta tcaaacatta attttcatta 240
tgagagagaa ccttgataaa actagtcttc tcatctggag ggtcacgaat cgacactatg 300
aaagtag 307

<210> 34897
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34897

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tggtttggca atctttgaaa tgtcttttat gaatgccta taaaaccag catgtcctag 120
aaagcttctc actccttga catttactgg aggagggagt ttctcaatga catcaatctt 180
tgctttgtct acctcaattc ccctcacaaa aattgtatgc cccaacacaa tgccttcttg 240
aaccataaaa tgacatttct ccagttaag caccaagttg gactcttcac atctctgcaa 300
caccctttcc aaattcgata gatagcaatc aaaagaagag ccanagatag agaaatcatc 360
cataagaatt tcgatacact tctccaccat atcgaanaag atngccatca tgcacctctg 420

<210> 34898
<211> 235
<212> DNA
<213> Glycine max

<400> 34898
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aattggggcg tatgtgacaa tcataatgaa ttactaaaca agattgggag ttactttaag 120
gtcattccag atactcctca aactcagaaa atacttccaa aatggtaaca acaagtaccc 180
tccaattaat taatgggtatt aatgaagata gtgacaaaaa ctcatataac acaac 235

<210> 34899
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34899

agcttttgtt gattgggtctt cgccggcgaa aggatcgaag tgggtctaan aagaggaaaa 60
tctgatcatc ctgctttgat aaatgcaaaa aaaaaaaaaa aactgaggca aataaagagg 120
atgagaagga gggagaaacc catgctgtga tagccattcc tatacggcca agtttcccac 180
caaccaaca atgtcattac tcaaccaata gcaacccttc tccttaccca ccaccagtt 240
atccacaaag gccatcccta aatcaaccac aaaaccacc taccacacaa ctgagacgca 300
aacggtgctt atcgtggagg agttccggag cattccattg agcattgtat ggccctgaag 360

cataaggtgc aaagtctaata t gatgcggga tggctacaaa ttgaggagaa t 411

<210> 34900
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34900

gtggctggag gtggattctc tnttagtcct caaggctttt aatgttatca gtgtggctcc 60
ttaggattta agaaatgtct ggatgaatac tgtattctat tgtggcccaa atggagtttc 120
gtgtctccca tattttccga gatagtaatg tatgcattga tcattaggct aactatggtg 180
tagaattgct ctattatgtg ggaagataaa ctttgaattt ggatgaggtg tacaagggga 240
gataacttggg gttgcaagga cagaaaaata aagataacat ttgctatttg aatggacaag 300
ccttgaag 308

<210> 34901
<211> 181
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34901

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taccatgttt agctttagg agtctctatt ttaattgggt accatgtgat cgtgatcgat 120
tacttccttc ttgaaagagt tcgtaggaac gagcaagagc cctttattcc attgaaatca 180
c 181

<210> 34902
<211> 275
<212> DNA
<213> Glycine max

<400> 34902

agcttgtctc tatatggcat agatcaccat taataaaaag ttgcctcctg gccaggatgt 60
acttcattgg acgtacatgc cactaccgcc tgcagacaca ggatcgcta ttaaccactc 120
tatgattgct ttgagacgaa attgaccact aatccgaaa ttgaccttg agtggaaat 180

catgctcaga ccacgcatgt tgccagaaca aaactcgatc acccctaccc atcttccagc 240
agaagtgcct aaagacagca gttatattgt gatcc 275

<210> 34903
<211> 60
<212> DNA
<213> Glycine max
<400> 34903

tctatctttg ttttaacgca tcatttcaaa gattcgatga tatttttgca tggtaaattt 60

<210> 34904
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34904

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aacccaaata tgatactcct cggttttttat ataaaattca attacttaatt ttatcaaatt 120
caaaaaaaaa ttaattgata tcaataaatt tattttacat ttataacttt tttttaaatt 180
ttccttatca ataatatctt atctcttcta atagtttatt aatatatttt gtttcttatt 240
ttaatgagag atgttttttag tataaaaaata attaatacaa aaaatattat aaattgagtt 300
ttataaaaaa aaataaacat caattcaaatt ttgagtctta tagataagaa caaaggaggc 360
aatgctaataa gaanaatggt aaagtcacaa tctntttatg cacactcctt attgggtcac 420
atc 423

<210> 34905
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34905

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cagtggcgcg acaagacgag acgccggatg cgcgataatg gactacgccc ttcgtccgag 120
gtcacgacaa ggtcacaaca tattgaaatt tcagacaaac agggaagtgg gagctcgagc 180

tagggcgagg ttggagtgtt catgaattag cacgcaaaag cttataaacc tcaatgttaa 240
 cgacgggtggg tcaagaaaaa cgtcattgac attcaaaatt tctacgacgt tgttttcaaa 300
 tacaccgtct taacttacct gttgcgtaac ctacatagac gggttaccca atgaacatcg 360
 ttgaatgtgt cacgcgccgt gcacatggca cataanaagg gcacatattt atagaaatgc 420
 caccgctaatt tctactacga c 441

<210> 34906
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 34906
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 aggattccga gttatgggca tccaatgaga gggaggctaa ctatgagttt gaataggagt 120
 tgctagtata caagaaggag gttgtcgagt agcatgaaaa agggttgcac aatgctgtta 180
 tgcattgccg gatcttcgtc aaggaccttg tcttggtctt ttgtaaccct ttctagcacg 240
 tgaatgatgg tgttctactt atcaaggaag atataactgc tgatgaggag acgagcatgg 300
 agtaagatgt tggggccaat gtttacgccg atgtttaatt tcttggttgc tggattttag 360
 gcacaatggc tatgtaatta tgaaaattct tcgttcgaga atgaatttcc 410

<210> 34907
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34907

tagtaagtta tgtacctgtg ttccttgagg atgtgcttag tttaccacct aagtgtgaga 60
 ttgagaatct agtaggtcta gtacccatag aaaactgtaa ccgtagagat atttggtata 120
 tagctgtaga gcgtatacaa tagttgggaa agttgtaagg agtagttata gtatgaaacc 180
 tttagaaagt gtaaggtcga tattaaggcg ttgttttgct gagcataaag ggattcgaga 240
 gtgagtattc ttatgtaagg tagatgacct anaggattag cgatgatagt tgtatgatta 300
 gtgagataga tcttagttct ctttaccttt aatccgggta aagtctgagg atgctctgat 360

gactatcata gtaccttcca tggactatac gtgtacctgg tcatgtcttg acatgatcga 420

t 421

<210> 34908
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34908

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gtgatatctt ttggtgtcac cctgatacag tgaagttagt caatgcatgt aatttggtat 120
tnttgataga cagtacctac aaaacaaata gatacaaact ctactactt gactttgntg 180
gtgtgacacc aacagggatg acattctctg ctggctttgc ttatctagag ggtgaacatg 240
ttaataatgt ggtatgggat ttaaaacggg tccgaggtat atttttaaga tgtgatgccc 300
tccctagagt tattatgact aacanagacc tagtattgat gaatgcagtg aanactgtat 360
tccctaagtg tacaaatttg ttgtgcagct ttcacataaa caagaat 407

<210> 34909
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34909

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tatgattttc tattgataat tcatgtctat gattttgtag tggtattatg acatgatctc 120
gaaagttatt gatatgttga aattagaaaa tatttttatt taatttgata catgtgtata 180
tgattcatga gatatgataa attattatat tngatcatg aaattgtgat tgagaatgtg 240
tgtgtaagtg atgaattgtg agatatatgt gtattgagat gtgagctatg aactctacaa 300
tcacacaatt gtaagagcct ttaagagcga tgagttaatg cgcgataagn nttgtatgag 360
ctctactgtg ggaacccgat gaagttaatc aat 393

<210> 34910
<211> 424
<212> DNA

<213> Glycine max

<400> 34910

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agcttctgga ggaagcctct taatgaagct tttagagaaa atacatgcag ctccctcggt 60
aaacacgctg cccagccttt gttaaccatt ggatcttctc gaaatttggt ttgcgacttc 120
acaagacact tgtccatgat ctgaccgttg ctatctttga gaagatgtct ggagtgtgct 180
agaagcttcc gtccccgaga gcatctctta ttttaagcatt tcagcctttg ctttcgtgta 240
gcttaagaaa aacgtcattt cttcttcttt ctttcttcca aatccatttc taaagttcca 300
agaactttct ccatcaccca cagccaccat tagccaccac ataccatcgt tgggtctccac 360
accgagagga acccttcaac cgaagcagaa tcttccaact tggcttggcg gttcggtaga 420
gaac 424
```

<210> 34911

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34911

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agcttgcttc tacaatctcc ccctttttga tgatgacaac cctgaaatca agaaacacgg 60
cacacacttt ttcttagtcg atctctcact taattctcca tattctcccc ctttggtttt 120
gagtttatgc ttcatttgaa attaaagtaa tcacttatgt gagttcttga tttaatccct 180
atttctgtcc ccctttggca tcaacaaaaa agccaaagtg cgtaataagt aaaaaatgta 240
catacactac taatcatata caagacattc attaaaaagt ataaaccaat catgaagcaa 300
gaaacatgaa tagatcaa atataaaaaa aatatagtca tataacataa ttcataattg 360
ttcaatcata ccatgcaa ataanagaaata ctanattggt canatgtcat aataatatag 420
attattta 428
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<210> 34912

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34912

<223> unsure at all n locations
 <400> 34915

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 tggattaaat cgggcgatct gccgtgaggt ccaagttctg caaccagttt cggtgagtca 120
 ggaagtagca tatgctaggt tgcacgaaga aaagcagaac gatgcatgaa ggacatttcg 180
 accttcgtca gttgtaggag ctctctcaag ctctcgacca tcgctattac ccactccatc 240
 caccaacccc ccactgttac caacaccggc acaaacagct tcttccagca ttccattcaa 300
 gagactaact ccagaagaat tggccttatg gcaagaaaag ggactatggg ttca 354

<210> 34916
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 34916
 gtcactatct aatactcaag ctgagatact gtcaacttga agctagctta gcttagcctt 60
 gtectgctta tcggagcaga tctgccttag atgcaagga tgggtgctaa gcgcttgaga 120
 ctgcgaactt agcgcattgaa tagagatgag cttagcgcga ggcttgtgct tagcgaaagg 180
 actatctttc agataaaaaa tctctaagtt attcttcagc cctttttcct tgaaattgaa 240
 acccttatgt taagcattca aagattggct gatatactcc tatgtacata ttatataaca 300
 agttccacat gatttacatg cataaaaag 329

<210> 34917
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 34917
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 aagcttgatt gcttgattga aacctatgac tgaaactcat ttgactgtca gactggaaag 120
 ggctccctcc tgatggagta gatgcttcca aatacaaaac ttgattgaat tggagcaggt 180
 tgcatacctg tgtggaggta caggctgctg ctgccggagt gaatgaaatg cgtagttgat 240
 gcactggagg ttaattaaaa cattgaatga gaactggcag aagcaacaga cgcagtggat 300
 gacgatgatg tactaaatgt ggaaccaaat gcacacttgg cgggctgcct actaaagtag 360

aacttggacc acattggagc taacacatta tacc

394

<210> 34918
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34918

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ggttattcct cagatgccta ttggactcaa taaaatcttc caattggatg tacctttagg 120
ccttaacccc gattttgggc caaggcagag ggcggctttt cgcaaaggct attaataaaa 180
aagtttggtt gtaatgttgt aaccaaattg tgcctaacta ccaccgagtc aagatttaga 240
atatccaagg ctgccttccc aaacctttcc atgaaagacc gcactgtttc cttcttttct 300
tgttgctaac ttactaagga gaccaacacc atgtgatgtt gactagtgc aaactgaagc 360
ccaaacctca tgggctcaaa acagntatg gatcctcgtg gagtccagtg aaccaactca 420
cagctgtttc tttgagtgt n 441

<210> 34919
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34919

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atttgtgttt gtgtttcatg ctgtcaattt ccaggttgtc cttgtaatat aatagtttgt 120
gaattggagt ttgtgtttat agcaagagaa tggatgagtc aacaaacagg cataatgata 180
atttgggtgt gaacaaaatg gggaaaaaca ttaggaagac caaaagagac cagcccaatt 240
atggcatgaa caacaacagc aacatgaatg ggggtagaca gcaacagcaa cacaacagc 300
ctcagcttta caacatatcc aaaaatgatt tcaaggatat tggtcagcag aaaaaaaaaa 360
ttgattacga tcaactcctaa ttntaacaaa cataaattat ttatatttca atattaacac 420
atgtatg 427

<210> 34920
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 34920

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 aaaagaaaga aagataccca catataaaat atatcctcct aagaaagcac cagagtcac 120
 atgagataac ctacatata taagggaacc ctgaaatgat ttactagcc ttacgtgcat 180
 gaattattgat gttaaaagct ttgatgacct gaaactcact caaagaggat ctcatcacgc 240
 ttaaagtaag ataaccagcc ccaagcaaaa tatgagcaaa cataatgac attgcttgct 300
 gctatgagac aaaaagatta tgaaagtagg cttgattgtg gcaatattag attgcccaca 360
 ccacaaagat aaaaccagca agaacaacat ctttagcatg cggggaaca actgccaaca 420
 tccaggataa gatcaatagg 440

<210> 34921
 <211> 263
 <212> DNA
 <213> Glycine max

<400> 34921

agcttcatgc tgctcaattg ctccacgttg ctgcatggaa aggcaaaggt ctgtatggtg 60
 gtcagcagag gagcacaac cacaaccct tgcgacaggg acagatttct gattcaaggc 120
 cagctgggtt accaagttaa ccaatgcac cagatttct tcaagcttct taaattcaga 180
 tgatgcagat ggggtttag ctacctcatg cactactcta atgactatgg catcagttat 240
 ggcgctaaac tgctgggagt tgg 263

<210> 34922
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 34922

agcttgccctg ttgtgttttg agtactgtaa taggggtgtt ttacagttcc ttgaaaaaa 60
 ccttgaaaat gagatgttgt aaaagttatc tttttataaa attgatgtta ttttctgac 120
 cttcgttgaa ccccgatcac attggcgaga tcggaatttt aaaatgacat ctcctttag 180

tagaatctga aacactcctc agtcctttat gttttgacag gggtaattga tcctaaatgt 240
 tgttattaac cttatttttt aaatatatac taaatttcct tcaatttggt atataaaacc 300
 ttgcgtttgg attgacaaaac 320

<210> 34923
 <211> 246
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34923

tataagaaca aaatttcctc aatcatatcc aaatacgcat gctaattang aagcatcaac 60
 aagaatcaag ccaaggctat tgtgcangca atcaatgggg gcaaaacaca ccaaatgatt 120
 atgatgatgg atgggtcaaa ttctcacaca ggtaaactca tcacttttaa attgagcttt 180
 caaaactatc atgacatgta gaggagaatc aaggatttca agtcacaaca tgtcaaaaac 240
 ttttat 246

<210> 34924
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34924

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 ttctgctggg ttgtgctctt tctgctatg cgtcttcttg ctgcataaca cctcttctc 120
 ttctctcttg atcatcacca cttcacaatg tcgtcgaagt tcgaccctc ccattgacgt 180
 cttcatccgc ataaccgatg gcgagggttag tgcgacgagt tccctcccag agcgtgagaa 240
 tgaagagaag gggtgagagt cttgatccgt cgagcgtgaa gatgagcata agaagagaaa 300
 tgagtgaggt tttaggggtg attcanaata acatcattct cgagcgtgac aatntttttt 360
 aacgtacaca acccatttca gc 382

<210> 34925
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34925

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cgattacata gtgcaaattt tgaattcaga ttttaatagc tgttattaat cagttttggc 120
cactggtaat cgattacatc ctctggtaat cgattaccag agagtaaatt tcttgaaaaa 180
gacttttttaa cttaaatttc ttggccaaac cttttgctac ttcaattgga attcccttcc 240
tattaaatat accctttcta agactctaga gactatcctg atcatccatc ttgaatatct 300
ttaattcctt tgtcttgaat aaagctttga gacgcatgtg aacctttggc atcatcaaaa 360
cattcagctt gatcctttgt ctacatat 388

<210> 34926
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34926

tgcttcagga tttgaaagtg agacatttcc tcaacatggt ttcaaactca aaaaagccct 60
atatggactt aagcaagctc ctagagcttg gtatgaaaag ctaagttcat ttctcttgaa 120
aatggctttg agcgaggaaa gggtgacaca acactcatc acaaaaacta tgattctcag 180
tttttattag tgcaagtata tgtggatgat atctcatttt tagtgctact aatgaaattc 240
tttgtgaaga tttttctaag tagatgcaga ctgaattcga aatgagcatg atgggagagc 300
tgaaattctt tcttggatta caaataaaac aaacacccan aggcattctac attcatcaga 360
ccaagtatgt gaaagaatta ctgaanaatt caacatgggt gtcgcaatat agataaag 418

<210> 34927
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34927

tatcctgtaa ctaccaagaa ccatctggta atcgattaca gcctgttgta atcgattaca 60
aggtcctggt ctatgggtatt ttgcatttaa aactaactat ttttcactca caaaacctac 120

<210> 34930
 <211> 338
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34930

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 gatgtccgat tcggggaaat aatatatcga gacgcacgaa attgaacaac ggaagctctc 120
 gagaaatttg aatggtcata acatttcaact cggatgttcg attcggggac ataatctatc 180
 gagacgctcg aaattgaaca accgaagctc tcgacaaatt agaatggctc taacttttca 240
 cgcgaaatgtt cgattcgggg acataactca tctagacgct cgaaatngaa caacnggagc 300
 tctcgagaaa tttgaatggt cataagtttt cacacgga 338

<210> 34931
 <211> 392
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34931

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 ttgagctgcc cggtagtat aatgttagtt ccaccttcac gtcttgatta cctcttttga 120
 tgcagatgta gaatccgatn tgaggacaaa tctttctcaa gagggagaga atgatgagga 180
 catgaccaag agcaagggca aggatccact tgaaggactt ggaggaccta tgacaagggc 240
 tagagcaagg aaagccaatg aagctcttca acaagtgttg tccatactat ttgaatacaa 300
 gcccaagatt caaggagaaa agtccaaggg tgtgagttgt atcatggccc aaatggatga 360
 ggactaaatg acaccacttt gtctcnaatt tt 392

<210> 34932
 <211> 428
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34932

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aatctacacc	tgttgcaaga	gtctgtggta	tatgttcttc	tgcagatcac	catacagatc	120
tatgtccttc	tttgcagcaa	tctggagtca	atgagcaacc	tanagcttat	gctgcaaaca	180
tttataatag	acctcctcag	cagcaaaacc	aacaacagta	gaataattat	gacctttcaa	240
gcaatagata	caatccaggt	tggaggaatc	atccaaatct	gagatggaca	agtcctccac	300
aacaacaata	gctgtcctc	cattttcaga	atgttgctgg	tccaagcaag	ccatatgttc	360
ctcctccaat	acagcagcag	tcacaacana	gacaacaagc	aatttcaacc	ttccttagaa	420
gagttagt						428

attctaggtc cccacaactt gtgcgaatta atggacaaag gttccaccaa gtgtgaccca 240
 aacatgccac ggtttgaggg cactgttggt atgagagggg ctattatgga gcagttcttg 300
 gaggaacgaa gacatttgac actgttaata gaagaagaaa acaaggaagc tatgcctgca 360
 gcagcagtgg cagccatggt gttgttggtga tgtaatgcaa ctcanaagtg tacattacaa 420
 gt 422

<210> 34935
 <211> 192
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34935

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 atactaagct ctcaaaatac ctgtaaatc ttcagagaan aagactaaag tattgagtga 120
 tatatatatta tatgtaagac gatcatgtat tagtcatggg gtanactttc aatgaatctt 180
 ggtatttttt tt 192

<210> 34936
 <211> 389
 <212> DNA
 <213> Glycine max
 <400> 34936

agcttggagt tgttcttaat ggatgaagag aatgagggag ataacgagag aggtgggagc 60
 acaactatga tggaagcaca atggagataa gctgaactct aagttgtgtc tcacaagact 120
 ctcatcctc caagttacaa taagtgttac acatgcttct atttatagac taagtagctt 180
 ccttgagaag acttcttgag aaaacttctt tgagaagctt ctttgagata actttcttga 240
 gaagctagag cttatctaca cacacccatc taataactaa gctcacctcc ttgataagct 300
 agagattaac tacacacacc cctctaataa ctatgctcac ctccctgaga agagaagcta 360
 gagcttagct acccaccctt ataatagct 389

<210> 34937
 <211> 255
 <212> DNA
 <213> Glycine max

SECRET

<210>	34938
<211>	74
<212>	DNA
<213>	Glycine max

ttgtagaggt taacgaaaca acgagatgat gcgctccatg acatgctgtg tcagatggat 60
aatcgagacc atat 74

<210>	34939
<211>	377
<212>	DNA
<213>	Glycine max

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tcgagagaca	aatgtgggga	aaagttaatgc	tgtgtcttga	agaatccatg	ccatatggat	120
gctacagagt	gaaagggact	tgttttagtg	tagagagatg	aagaaagctc	tacgttaatt	180
tggaatatga	tttgggtgtt	ggaaggagaa	ccgtaaaaga	gggtgcaaga	gtttttcaac	240
gtgttccaga	ggcttcatgt	gttactttgt	caacatattg	gtcatattca	tcggactaca	300
gcttttctct	ttaagtaatg	ttttgggcaa	tttcacacta	agttgggatt	aagccaata	360
tcaataccat	acctact					377

14554

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<210>      34941
<211>      380
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      34941
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<210>      34942
<211>      414
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      34942
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 gaaaatgtga gtgtaactgc tgttccactc acttaagcag attttcgata ccttcgctta 300
 gcgaaccgtt gcgctaagcg agcaagatag acgtttggtt tctcaaccaa gctcgcttag 360
 cgagcatgtg cgcttagtcg acgtttcaaa ttcgaaaaca attttttatt tttta 414

<210> 34943
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 34943

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 ccagaggagc ataaaccaca gagtcttgcg acagggtacaa atttttgatt catggctagt 120
 taggatacca ggttaaccaa ggcgtctagt ttaacttcaa gcttcttagt ttcagatgat 180
 gcagatgagt ttgtggctac ctcatgcaact cctctaatga ctatagcctc atttatggcg 240
 ctaaactggt gggagtcgga agccatcttc tcaattaaat tcctggcttc agcaagggtc 300
 atgtctccaa gggctccacc actggcagca tctatcatac ttctctccat gttactgagt 360
 ccttgataaa aatattggag aagaagctgc tcagaaatct ggtggtgagg gcaactggca 420
 catagttt 428

<210> 34944
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 34944

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 tagagacccc tagatactat cctataggtc cctaaaatag gggcacggag cgaacacgct 180
 gcgtgccgtt ttaaactctg ccatgcatgt agtcctaaat gtcatatagc cctttgcttg 240
 taattattta tggatattgt cgtactctgt gcatccccct gttgcgcttt tgcgcatctg 300
 catcatgcca tcaaactatgc attgtgtgtg ggtctcgtct ttttcgcggg aaagtgaag 360
 atccatatcg tctttttaac tgcacacatg gtgcactgca cccccaatg cgccagtagg 420

aga

423

<210> 34945
<211> 226
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34945

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ttcaatggta gccataacct tagccaaggt tcatcaacct ccatttctcc gagaatacga 120
ctcgaacgca acgtgtgctt gtcacggaga agccccggng cgttccattg agcatggtag 180
ggctctgaag cgtaagggtc aagggtcta tgatgccggc tggctg 226

<210> 34946
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34946

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tctcattntg tttacttttt atacccccctg ttgacatgct taagccattt tacttaagtc 120
atttctcgtc taacttaaaa atagaataaa tttccaccga acgtttgaat tgtattatcc 180
attaacttcg gtcaaaaataa attccgaccg ttcggttgtg ccgtaaccac gttggaaatc 240
aaaaagaggt aaaaaataat ataaataatc aaaaaatatc ttttttagtaa aataaagcgg 300
aaaatcaatc ggacgttntc tctttgggat tcttcattct taatcgaatt gattaataac 360
taaagtgaag ctaaggctaa aatcaactcg cctagtcaag ctc 403

<210> 34947
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34947

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atgggcaaat tntccaccag ctccataata tcaatactca gccaatatca gcccttctca 120

ttaccaccca ccctatcaac caagaacacc caatcatcca caaaggccac ccctaaatcc 180
 ctatatacca aacaccacgc gaaacactaa ccaatgaagg aagtttctaa ctaagaagcc 240
 tgtagaattc accccaagtt cgggtgtcata tgctaactta ctcccatatc tactcaataa 300
 atggtaggca taccgcgacg caaggatact caaccttcat cttctgagga tgcaactcag 360
 acacaacatg cgcttatcat ggagg 385

<210> 34948
 <211> 335
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34948

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 aatcaatgta aaggtgctta gtttgtctcat gaaacacgag attggccgct atgtggagaa 120
 tgctttgatt atcacaatat ataacaactg gatgggagca attgatatta aatcattgag 180
 aagataggtg agccattgaa actcacacgt ggttgaagta agagctcagt atttagcttc 240
 taatgataaa tgtgaaacaa taccctatct cattgatttc tatganacca aggatctgcc 300
 aatgatgaag caatttctgt gatggagttg gacag 335

<210> 34949
 <211> 365
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34949

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 attgtgagat tagatagaga ggagagtatt atggtaagta cacagagagt ggacaagcac 120
 ctgggccatt tgcaaaatct ctttaagaac atgggattgt tgcccagtag actatgtcta 180
 gttctccaaa ttagaataat gtggcagaaa gaagaaattg aactttaatg gacatggtaa 240
 gaagtatgag gagtaacaca aaacttcttc agttcttctg gattgaaaca ctaagatga 300
 ttgtgtatat atttaataga gttccaacca aggggtgtctc aaagacacct tttgagttat 360
 tcaaa 365

65507-9072460

<210> 34950
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34950

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aatatcagga aacgttttttc atctcagcag aatccttgta tactttacca tattttttcca 120
tccactgctc atgtcttttcg tagatggatg catcatggag tttgcgggac tttacttggg 180
aagtgcaaat tgagagaagg agaagtagag ctaaaacttt cagggtttttg ccaatggaaa 240
tcctctcttt gtttagcaatt aatgacacta cgtactgatt aattggtgct agagaaactc 300
tattgagttt agtgtttggg gctagatgtg taaattggta tgctcctaag gcaatgtttc 360
gattagtata tataggatta ttgtcccttt aagggganna tatttaatat tagtcagaat 420
gaaact 426

<210> 34951
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34951

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ttaatgtgat aataatgtac agtatccatt tgggtatagt tatcttaaag tagaagttct 120
aaccatgatt aaaagaacat caccgaagat aattagcatt acagtgtgca gaataggata 180
aataatagtt acttttgctc cggaatatat aatttgttgg tccctaaaaa atgaaaatat 240
aaaaagtagt ctctaaaagt gtaaaaagtg cgacaaatat atattcggtt attaaactcgt 300
cgaccaccgt taataaaata gcctacgca tatagagaaa cgaattagtc actaaaataa 360
ctgccaacat gatcatcttt aattgtcagc ataaggacat atntgtcata taatatttct 420
ttgacttttc atctttctac 440

<210> 34952
<211> 431

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34952

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 tgaatgtatg tatacatgat tttgatgatg tcaaaagaag aatcatacaa ggctcatttt 120
 gcttcaagat taatacaaga ttttttcaac aaacaaagcc ttgattcaat attttttcaa 180
 gatcaagcct tgctcaaaa tgtagagatt tcaagtcac caaggcacat gtaatcgatt 240
 accaatacat gtaatcgatt accaaggcac atgaaagtgt gtaatcgatt acacatcata 300
 tgtaatcgat taccagagac tctgaacgtt gggaattcaa attataactg tgtaatcgat 360
 tacacaaaca ttgtaatcga ttaccagtgg aaagtttttag agaatctgcc aacagtcaca 420
 tcttttcatt a 431

<210> 34953
 <211> 334
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34953

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 agttgtgtta ctttcttgag tacaagaagc caccttactc atgcaaaca gggtttgctg 180
 aaaggattga tcaagctgag tctatctata ctcttggtg tgtgtgtatg gntctacaca 240
 tcttttattt gtgcatgaat cattgaaagc aagctagaat aagtgtttct agtctggact 300
 atgggtaggt ttctcttagg ctcttattca caga 334

<210> 34954
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34954

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aaaagcatga aaataggagac ttttttgtaa ggatttgagc tgccccgtga ttggcacttt 120
gcacctaagt aacgtgggag atgctttttc aatgggtgtgt agatatatgt gaatatatgg 180
cataagaata tgttgcaaag tgtgtgaata tatggcatga aaataccttg caaagtgaat 240
gaatagtaaa taatgcattt caaaaatgta tatttgtgga taggtagcgt aaaaatacct 300
tttaaaaaat gtatatattgt ggataggtag cgtaaaaaata ccttttaaaa tatgtatatt 360
tgtggataag tagtataaga agtctt 386

<210> 34955
<211> 312
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34955

tctatagaag gtttgttcct aatttctcta caattgcac acctctcaat gagctggtga 60
agaagaatgt ggcatttaac tgggggtgaaa aacaagagca agcatttgat ttgctcaaac 120
aaaagcttac taaggcacct gttctagctc ttctgactt ttctaanact ttgagctag 180
aatgtgatgc ctctggagtg gtagttgtag ctgtattgtt acaagggtggg caccctattg 240
cttattatag tgaaaaactt catattgcca cccttcacta cccacctat gataaagagc 300
tctatgcctt aa 312

<210> 34956
<211> 368
<212> DNA
<213> Glycine max
<400> 34956

agcttcgggtt gtggttacat tgacgtccct cagcttggtg cactttttcc cgaccttgat 60
ggacgacgtg ttgaactggt acttgaccgc ttgcgccctt tcaagattca cttttaagc 120
ttgcacctct tctctctgct catgggtttc aacctcttcc tcaattgaga tctttagctt 180
ctggagccaa gttatctatt gtgatctagc cttcagccac ttgtgataac cactgatgac 240
cccattgctg catccgctaa gctgcttatt ctttctttgc accgcacttc atgcttttcg 300
gacactttga aacgtccttg cattaggggt actacaacct cgtgcatga aagggtgtgac 360
actttctt 368

<210> 34957
 <211> 79
 <212> DNA
 <213> Glycine max

<400> 34957

ggtgcacctc ttataccata tttcttctgg ctactgaca tagagggtgcg aatcgatcta 60
 ccttctccta cctgctata 79

<210> 34958
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 34958

agcttgccctt gactctctac atgaagcatg gcttgaaagt caaccttcaa aggcgcgatg 60
 cttcagaaat tgagaagtac ttcaaagttt agagaaatat tattgaatat tgctaattaa 120
 tattgttatg atttatatgg ggtgtcagaa ttatttctat acgtttttca attacaagta 180
 aggcttgatg taagtaaaca tatatactag gggatgcata atgttaatga agtttattca 240
 gtgtgttatt tttaaaaata aaattgaaga tgtagtttcc taaactataa atatatagat 300
 gtaactctcg taatagttat aataatattc atatcttgga attacataag gtgttaagca 360
 taaaaaaatt aataattaat atgaaataaa tcttttcaca tatatagata agtcatatac 420
 act 423

<210> 34959
 <211> 272
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34959

tccctcctgt ngtgcaagtc cacgtagttc aatggaccct tccatgatct aatcctagac 60
 catggtagct tggttgacta aggtcaatgt gggatcatgcc accaccaacg gtcaaaggat 120
 ctctgtcacc gccatctctg ttggtcacgc caccatcacc ttcttccttt gctgctgggc 180
 tccgctcaac ggcagccacc actcatcaat ctctctctgt catcatccac catgggttttt 240

cgccattcaa actgcgaaca aatagatgca gc

272

<210> 34960

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34960

agcttctaata gaagtgtgga gacccaaaat cattcatact tagacgaaat tgtcataaag 60

tgatagaagt cactgagaca cgccgataaa ggacaatgac aaaataggcg tctagaaagt 120

gcttcactag aaaacgaacg gcgagctaaa ggcatggcc aaaaaacacg ttgaanagag 180

acaacgatag aataggcaat caaaatgatt tgttggaaaa tgaacaacaa acaaaaggag 240

gtggcaacca tcgtagagag agacgaacaa aaaatcatga accaataaag tgcataatnaa 300

cgtgttttcg tagtgggtcc aactaaatga tcatgtatgt atggngacaa aactccaggt 360

gtaggagcaa ccattatggg cgaccaccat gctagaatga cagccagaca ccagaaaact 420

<210> 34961

<211> 422

<212> DNA

<213> Glycine max

<400> 34961

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caacatcttt tcacaataca gtgtttctga tatttttgac tcagaaattt ccattcatct 120

cattggaaaa gtccaacca catttcaactg tatattagat tcaacttctt gatatcatgt 180

gctaacgaag cacaagattt agactcatga tattgagttc gggatactca gaaatttaat 240

ctacaatggg cattttgttg aataaaaagc aggcaaaaat taaaatgaac aaaatcatgc 300

caataataac tatagaacat tagacaacac tgacaaactt agtcgcatta gccactaatt 360

gaataacaga gcttagttgc aaaatagtag taagccaata aacatacaca gaactagaca 420

at 422

<210> 34962

<211> 373

<212> DNA

<213> Glycine max

09-10-11-12

<210>	34963
<211>	426
<212>	DNA
<213>	Glycine max

tcacaaaaga	aaagtggata	atccacatat	tacaaaaggt	tgacttccac	attaccatcc	60
cccacaagga	aacttgcaaa	caagttnntc	tcaatagttt	ccctctcacc	atctcacaca	120
atccttctaa	taacaatagt	aaacaagaaa	agtgtcaatg	gatcaccttg	tcttaaaatt	180
ttttgagcga	aaaattcata	agtatttcag	caacatcaaa	tggtacttga	tgtcaaacat	240
cccttaatcc	aatgaatcca	cttctcatca	aaacccaacc	tcttcatata	gaacaagaaa	300
ttccaattaa	tcanataata	ggttnnttcat	aatctaaact	aaagataaga	ctntntcttt	360
ttccttnntc	tttatcaatg	gtatcattca	ccgccaacac	actatgaagt	angaattttc	420
tcccaa						426

<210>	34964
<211>	421
<212>	DNA
<213>	Glycine max

agcttgccc tgtgcctcct cctgagatat tgnngtggtc tttccaatga taacatcctc 60

accagatact cgtgtgccct atttcataat aattaattag ttcttgtgaa attccttgag 120
gatagatcaa aaaggcataa attcagatat gcttactggt ggggcaagac catcatcatc 180
cagcttatca taagaaccat gtctcattcc ctgaaaaatg aaacttggtg agaaccacc 240
aacaagaaac caatactctt ttccaaataa aaattgttaa gcaagaatag ttatttgcta 300
ccaaacccaa atttctcacc atgggtgtag ctctatcagg acggccacaa tcttctttga 360
ccagggttcc catcttcttc tcttcattct tataanaagt taagaataca gcatatcata 420
a 421

<210> 34965
<211> 370
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34965

tataaatcaa tatggaagtt tgacataatc caacttttgc aatatgagat tctcgaagtg 60
ttgtcatttt aacctaatac aactttcatc tttggatgat taaacattga gtgcttagtg 120
tgctattctt ttgcttaaca aacttaattt gtaatttgat ctatatcgta ttttctcttt 180
atgagagtta tttgattgta atcattcaca cttgctgttt ggaaagctag aatgacttag 240
tgatccaaga atatttggat gttntccagt tttacgatga gattaaaggt gtggtagaag 300
tgattctaag aatacttatt gtaagtcatg agtgccagag aataatactt attntgtagt 360
cttttattga 370

<210> 34966
<211> 417
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34966

agcttgtaac atgagtttta tagatatggt ttatttattt ggttntaatt taagactaca 60
tgtgtttggt agttactgtg tgcaatattg tattgacagt gtaaaagtgt ggtgttactc 120
atttaataaa aatgtcattg ttgtattcct aagtaaattc aactgatatt tggatgcagt 180
aatgcttatc agccatcagg tttcagtttt atgttgaatg tatgtatact tcatgcaatg 240

tttatattta gtgtcttaag aagatgtggt gtaagtcaag tttagtgtga ctttgtatta 300
catcctttct tgtggttaaa tggatgaca gtgtaatggt gcaactttta attctgagtc 360
atgataatca acttctgagg ctattatcta taacacatca tcaatttgca tatgtga 417

<210> 34967
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34967

tgtattgcaa tcttgttctg tttgttaaaa ttggtgtcta attnttatat ttaattagtt 60
ntgttgctct aatgattntt ttttccaatt aaactagtgg agagacaagc acatgtctgt 120
ccacattttt attttttatt atatattaaa aatttatatt tacaaaaaga tgtgaaaatg 180
aggaggatat gacagactat atagaanaat gatagaacga aattaaaata gtttatatga 240
gttaataaat aagtaaatat ttgtaataat caatataaag aatactagca ggcataaatt 300
aagaaaataa aaataattta tttcgtattc tagcctaate cattacaatg tggaccaatt 360
aaaatacgga tcacttgtaa caaatcttaa acagcatga 399

<210> 34968
<211> 357
<212> DNA
<213> Glycine max

<400> 34968

agcttgatt tatttcttcc ttagtattgc tttcccttgg tatgtggtac attttgagca 60
attgagatta tcaaccacgg tttttatgac atgatacttt atgaggagaa ccacttcctt 120
ggctcgatat atgttttcaa cccatccttg gacaagtctt gagtccttat agcacctgag 180
tttacttgct cgaacttcat ttgccagttt tagacctgct atgagtgcct tatattttgt 240
ttcattgttt gatgccttga agtcaaattt gatggcatgc tccaaagtga cattggtggg 300
tccttcaagc ataatgcccg cctcattttc tttcacattg gatgcaacat caacata 357

<210> 34969
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34969

tcacacnaga taagtggata atccacatat tacaaaatgt tgactttcac attaccattc 60
cccacaacga aacttgcaga caagattttc tcaatagttt ccctctcacc atctcacaca 120
atccttctaa taacaatagc aaacaagaaa agtgctgatg gatcaccttg tcttataatt 180
ttttgagcga aaaattcata aggatttcag caacatcaaa tggacttga tgtcaaacaat 240
cccttaatcc aatgaattca cttctcatca aaaccaaac tcttcatata gaacaagaaa 300
ttcccattaa tcacataata aggtcttcat aatctcactt aaagataaga cattgttttg 360
tcctcttttc tttatcaatg ggatcattca ccgccaacac actatga 407

<210> 34970
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34970

agcttgcaat gaattatatt gtgtatgtac gagtctggtg tcaatctaga cacacaaacc 60
aaggccataa ttcaaaatag gtaagataga aatgatgata gtcattggca caaacattga 120
cttctgcaac tgctactaag cttgcaatca aagatattgt atatatagta attaaactttc 180
cattcagcaa cacaaatttg ctttatttgn ncgcttaaat ttgttagatt gcctattcaa 240
tctgaaatgt aaaattctat cttacatctt ttatttggac aatatgctac aaaagatgcg 300
acaagaagt tnactaaacc ttatattag 329

<210> 34971
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34971

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caacaagttt tccacatgca caatgcgcgc ataaaccac catcctctgt tgcccaactc 120
caactgagct cacgtactcc cacgtagccc atatectcat ttctctcaac accgggttcc 180

catcaatcct cccaagcttt cacaacatnc aagcaaaaca tcattcaaac agcacaagct 240
 atcacagcca agataaacag agcgcaggca gaatactctt gccaaacacc aaccaaatta 300
 cagcttttct cacttaaa 318

<210> 34972
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 34972

agcttcagac tgctcaattg ctccaggttg ctgcatggaa gggcaaaggt ctgtatggtg 60
 gtcagcagag gagcacaac cacaaccct tgcgacaggt acagatttct gattcaaggc 120
 caactgggtt accaagttga ccaacgcac cagtttgct tcaagcttct taatttcaga 180
 tgatgcagat gggttttag ctacctcatg cactcctcta atgattatgg catcatttct 240
 ggcgctaaac tgctgggagt tggaggccat cttctcaatt aaatttctgg cttcagcagg 300
 agtcatgtct ccaagggctc caccactggc agcatctatc atacttctct tcatattact 360
 gagtccttca taaaaatatt 380

<210> 34973
 <211> 306
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34973

tgaatctctt tcaacttctt cttcttcttc tttgtaccaa aagtntctg aagttttctg 60
 gttttccaaa cttgaaaac ttgtgctatt catcttttca ttcttcttc cctttgcaa 120
 aaagaattcg ccaaggacta accgctgaa ttcttggtgg ggctctcttc tcctttttcc 180
 aaaagaacaa aggactaacc gcctgaattc ttttgtgtct cccttatccc ttgtcaaaga 240
 attcaaaacg acacagtctg agaattcttt tgattcttcc cattccctaa tacaaaagtg 300
 ttcaaa 306

<210> 34974
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34974

agcttctttg aganaacttc cttgagaagc tagagcttag ctacacacac ccctctcata 60
actaagctca cctccttgag aagcttcctt aagaagattc ctaaagaagc tagagcttag 120
ctacacatac ctctctaata gctaagctca cctccttgag atgagaagct agagcttagc 180
tacacaccn ctataatagc taagctcacc cccatgacaa aaaacatgaa aataaaaaaa 240
aagtccttat taciaagaca actcanaatg ccccgaaata caaggctaaa accctatact 300
actagaatgg gcaaaatata aggcctagac gaaggaaaaa cctattctag tattttacaaa 360
gataagcggg ctcatactta gcccatgggc tcgaaatcta ccct 404

<210> 34975
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34975

tatgctacaa acatctacaa cagacctcct taacctcagc agctaaatca gccacaacag 60
aataattatg acctctccag caacagggtac aatcccgagt ggagaatcat cccaacctta 120
gatggctgaa tccttcacaa caacagcagc aacaacaaca accttatttt caaaatgctg 180
ctggcccaag cagaccatac gttcctccac caatccagca acaacaacag caacagcccc 240
aaaaacagca aacagttgag gtcctccgc aacctttcct agaagaactt gtgaggcaaa 300
tgactatgca aaacatgcag ttctgacaag agaccagagc ttccattcag agcttaacta 360
atcagatggg acaatnggct acacagttaa atcaacaaca gtcccagaat tctgacagat 420
taccttctca atctatct 438

<210> 34976
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34976

ttgcttgctc tattccaagt tcattaatca tacctttaag ccagattgct tccttcactc 60

tttcatcttg agtnttccac atactgatgg atgctaaatt ggtttggttt atctggactc 420

<210> 34979
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34979

gtcatccaat atatgcatga tgtcaataac gcacttagta aacctatcac accaatcaat 60
cacatatgag tggcttgtgt acagactatt tactctcaat gttttattct aaatagagac 120
gtaggattga tttgctccat tttttggact gatattaaat gtccattaaa tattaacgaa 180
tttgaattat gcgtatgagt tatgcaaag aatctagcca tatcatatat atatatagaa 240
cattacatta cagcatgcta atcaattctc cttcatcatg atcattacga ttagcatgaa 300
eggcgtcagc ttcttcttct ccgacgacgt tatgagtgat ttgcacggtc aaaggactaa 360
catangagtg catgtatgaa tcatcatctt ctacatt 397

<210> 34980
<211> 230
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34980

agcttatatt gttgtgatna ctctacaata ctctcggtag tagctcttac tagccatgag 60
gtttggatta cgagtgcact ttgtgagaga ttattgaaaa cgcataactca catttaggtt 120
taatgcagat tcacggcttg ccagctggac tttaagagag atgataactc caaacatcta 180
atatccgtat cttctatgta tgactaatgt actcaaacgg tgccctctta 230

<210> 34981
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34981

ttnnccgttg gcacngatg nggtgccacg gaggacacaa actttttgac tggatgcaag 60
ccttcactcg actatatctc tattaccgac tgaaacgggc tggatgtgga tcgatacgtt 120

agttttatgt atcggttcttc taaggctatc ctcactctgaa ctggtactta ttcacaatgt 180
 ggctgggtag atatgggaca cactgacggg tcatgtcccc ccagagtctc cgatattaca 240
 ctcactcatt caactgctac tatattcatt ataaatcatc caataaacgg catcttgccg 300
 tagaatata 309

<210> 34982
 <211> 286
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34982

agcttttagt atganatcaa cttgatgatc tatgcttggt gaaggtggca ttccatgagg 60
 agtctacttg ggaaagacat cttcttattc ctgcgataag gagtgaacac tatgagaaac 120
 ataaatacgt aactgattaa aattatcact ctctctatct tgtatatgac ttcatctctc 180
 aagcgtatca ctcttccttt ctctatccct ctgtgatgcc tactattgtc actctcttgc 240
 tctctctttt ctatccttct gaatgggcta tcacacactt ctctaa 286

<210> 34983
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34983

tctcctattt gtaatggagt ggggtaccat tactggaaaa ctcgatatgcg cattgttata 60
 gaggcaatag atttaaagt ctgggatgca tttgaagtag ggccttatat tcccaccatg 120
 gttgctagga atactacaat agtaaagcct atggaagatt gcagtgacga agaaagaaga 180
 ctaagacaac acaacttaga attcagcaac atattttcat ctgccctatg aatggatgga 240
 tactttangg tattcaac 258

<210> 34984
 <211> 341
 <212> DNA
 <213> Glycine max
 <400> 34984

agcttgtcat caagttcttg atacaagaac acatatggat ggcggtatat attaacttgc 60
atgggctgta tgactgcaac atgattacac tgaatttggt gtagtatgac cacaacaagt 120
tatggaacaa aactcagata taatttctta gaagccatta tatcatgctc taattaaaat 180
tgaagctaag cttctataat gtgtattaaa ggtattatta gagaattata tgaattaact 240
atgtgaaact ttaatcttga ttgaagaacg aacatcaaaa tttgcatatt aatcttatcc 300
tttttgatag attggttatg gtgctattgt ttaaacaatg a 341

<210> 34985
<211> 389
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34985

tatagaatat ataataagat aacaatgaca attgaagaat cgattcatgt ttccattgat 60
gagtctaagt ctatttctcc aagaaaggat attttagata atattgcaga atctttagaa 120
taaattgcaca ttcatggaca agattctaaa ggaaaaggag aaggaagcaa tgaagatcct 180
ccagtagaag tcaaagcaaa taatgatctt ccaagagagt ggaaagcttc aagagatcat 240
ccncttgaca acattattgg tgatatctca aaaggggtaa caactagaca ctctctcana 300
gatntatgca ataacatggc ttttgtatct atgattgaac ctaanaattt aaatgaagcc 360
ataatagatg aaaatggata atagctatg 389

<210> 34986
<211> 374
<212> DNA
<213> Glycine max
<400> 34986

ctcggaccg ggatcctctc aatagactgc agcatgaagc ttttcattat ttgagaataa 60
gcaaaaacct caatgcccaa catatataac cttctctttc tgctgggatg tgctctctcc 120
tgctatgcgt cttcttgctg cataacacct cttctctttc ctcttcgatc atgaccactt 180
cacaatgtcg tcgaagtctg acccctccca ttgacgtttt catccgcata accgatggcg 240
aggctagtgc gacgagtacc cctccacagc gtgagaatga agagaacggc tgagagtctt 300

<210> 34989
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 34989

gatggtgcct actcctttct ctcatacttt gccttccact gcatgagcat ggaggttatc 60
 taccattgca cgaccggatt tgagctttga gatgcttact gcctatgagg atccacacgc 120
 aagatcccat tgataccctt ggtgggtagg attgcatcgt gatgtgacta ctttaccttt 180
 agacaaagcc ttgatttatg ctcgttatcc ctatctttac tacttgtgct gagctggaat 240
 acatatatgg cgattcagga tgtgcccctg atctgtgttc atcttcatac gctttccata 300
 cattagcatg gacctgttca at 322

<210> 34990
 <211> 241
 <212> DNA
 <213> Glycine max

<400> 34990

ttcttgtgac tcttggccat atgttttata aactagtcac ttataatgtt gagacttttg 60
 aaagaatctt cagaaacaag acacttagag aattatgact tttggaaatg aatttttcga 120
 aatcatacac tggtaatcga ttaccattaa tgtgtaatcg attacacatc aacatatgtg 180
 actctgcatt ttgaattttg agaagtaaaa cgttcaaagg ctcatgtaat ctattacaag 240
 g 241

<210> 34991
 <211> 184
 <212> DNA
 <213> Glycine max

<400> 34991

gtttatatga cacactcgtg acatgccacg atgtatgttg tactatgcct ccaagcgcac 60
 gcagcgacat aacaaatgag taaataccgc tcgtatgagt gcagagagtt atgtgttgaa 120
 atgagcccct ttgctcacat catactgctg caaagcatgt gcatcgctg ctgtgggtatt 180
 ggac 184

<210> 34992
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34992

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 acaaaaattt tcatgcaggt ggaccttctt ctagtagtta tgacttaccg cagcctctta 120
 tccctcttcc attcccacct agagcaattc caaacaacaaa aatggaagaa gcggaaaagg 180
 agatcttgga gaccttcagg aaagtagaag tgagcatacc tctgcaagat gccatcaagc 240
 atattccaag atatgccaag tttctaaagg agttgtgcac ctacaaaagg aatctcanag 300
 gcaatgaaag gattagcatg ggcagaaatg tgtcaacatt gataggtana tctgttcctc 360
 gcattcctga gaaat 375

<210> 34993
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34993

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 caacagtcac atctttttat gtggttcttg aatgactatc aaaggcctat atatatgtga 120
 cttgagacac gaatttgcca agagtttttc agaacaacaaa ggtcttatcc tcttataaag 180
 aaaaatcggg ttatcctctt acaaattcct tggccaaatt acttatgatt caataaggaa 240
 ttatttgagt gctcanattg ttcaatctat ctttttcaag agagatttct tcttttcttc 300
 ttcttcattc tga 313

<210> 34994
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34994

gaagctttgt tttcataaaa catttaaaaa aatttcacaa cccaatcca atcctttntt 60

tgtggtat ttt atataacttc aaaagtttct atattctaaa attattgtca cttttgaata 120
tattaggaat acacttgagg aatatggatc tactgaggag ttgctgagta tcattaatgg 180
gtctatcaag tctaccaatt cacaaattca ggtaatcgac aataacttat ggntataatt 240
atatacttga tgtttttttt ttattttctaa ttaattattc taaaaataag ttacaccaag 300
gatatttttt gcaaccatta tttttgggag ttcttcccc atcaaaatat atgtgcaaga 360
gaggtgtgaa aaactcaagg caaataatat ggggagatgt agaccaatat tctaaacata 420
ttanatgtag aggatgtgaa tcttat 446

<210> 34995
<211> 302
<212> DNA
<213> Glycine max

<400> 34995
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gggatttttg cataactaat tcaggtagaa tttagatata taggagggga aaatttataa 120
ttataaagaa gatacacata attaattcat gagaatttaa atttaacatt tttaaagaag 180
ttaataatga tgagtgtaga ctaacgttat tcataagata cttctatact ctaatttcat 240
tcatacgact ggagcagatg attcaaaaaca tgagaactta ggtgcaacat ctataataat 300
at 302

<210> 34996
<211> 139
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34996

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taaagccgga ctgaccctag cctagatgat tntgtgggtg tttcttcatg tgaattttga 120
gcattgctat gcgcacca 139

<210> 34997
<211> 277
<212> DNA

<213> Glycine max

<400> 34997

tatactcgat tctctgaaca cggggtcccg gtcaattctc ccaagcttcc caaacatcca 60
 aacaaaacga cattctgacc gcacaagcta tcacagccaa gcaaaacaga gcataggcag 120
 aaaactctgc caaaacacca accaaatcac agcttttctc acttatagac cccagtaaca 180
 attccttcgt tccggttcat taaccattgg atcgactcga aaatgttact ggagatctct 240
 aatacttaag cctacatttt gaccgctggg atctact 277

<210> 34998

<211> 359

<212> DNA

<213> Glycine max

<400> 34998

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 aagaagatca ataaaatctt ggtcctctaa ttcagctcca tcttcttttg caattttgtt 120
 cttttcttga tgctctctga tgatggtttc caggaccttg tcaacctgct tgtgcaactt 180
 cttcaatctg gtcattcttc cagttaggaa atataagaat ggaattgaag gatagacatc 240
 atcaaggctg aatcctcccc cggattctac gatttttctg atcaaagaca ccacaaactc 300
 atcttgctcc ttgcatatgc caccgactgc tatcctgtaa atagaggctc atatcaatg 359

<210> 34999

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34999

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 ggtattattg aactcatcac ctcacgaacg aattctatta attattttta tacggttaat 120
 tctttggaca taaaacataa taacttgcatt ttgaaggatc aaatcagtat aaagtaaaat 180
 aaaggaggta aataaggaga aattgtttat ctttgaagga cataatgaga aattgttaag 240
 aaaataatca aataactactg cccagttaga tactttgact tgggtgccaa cagcaattag 300
 agtgcacga caatttctat tttgacttag tgtgcatgtg caacagcaat tatagctttc 360

aacggtcaag gttctcactg ccacattaac tattgttgac caagtggcac ttatatatct 420
acaatagtat tacacantat agaggagtaa cgatgacat 459

<210> 35000
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35000

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atatatcgag acgctcgtaa ttgaaaactg aagctttgag cacattcaaa cgagaataaa 120
ttntgactcg gatgtccgat tgagccgtaa tatatcgaaa cgctcgtaat agagaacgaa 180
agcacgtagc aaattcaaac cacaataaat tttaactcgg atgttcgatt gagttctata 240
atatatcgag acacttgata ttgaaaacag aagctctgag cagattcaaa cgacaataac 300
tctntactac gatgttcgaa tgagaccgt atatatctag aatctcgt 348

<210> 35001
<211> 322
<212> DNA
<213> Glycine max

<400> 35001

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tctttctcct ctgccatata gaaggcgcca aggactaacc gcctgaattc tttttgtgaa 120
caagagatgg cacatctctt gtggatcagt tctagtggag ggtacatcca ctagggtttc 180
aaagagaaca agggagggtta catcccttgc ggatctttgc ttgtaataag attcttacia 240
ggttgaaaga gattccaagg accgcaggtc gctttgggac tggaggtatg cactgggttg 300
cgctgaacta ctgataaaac tc 322

<210> 35002
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35002

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 aggtagatta ttcttacttt tacattctac attgaataaa caacatctgt gaattataaa 180
 ccttatctaa taggtttgag aaagcttatg gatgatatga aaacttataa tcccaccgat 240
 aggggttctt ttacttatct tttatcagnt agttcagata cattactcga tgaagaaaga 300
 atgtgtagtt ctttaacttat tgcttgaaaag ctctnttata gacaagtctt ttcttatcac 360
 atcggacaat gaactataag cgattattta gttcatatct tttaaagaac attcat 416

<210> 35003
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 35003
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 catgatttac attctcccc tttttgatga tgacaagcat tatccaaggc ttgatcttta 120
 tgacatcatc aaaatcttca tgatttacat tctccccctt tctgatgatg ataaccacct 180
 ataagttatg agcaacaact aagaaaacat atctatttgc atatagatta ctcccccttg 240
 gttttggaat ggttgcttat atgaaacaat tgaagatttc atatttttca tatataaa 298

<210> 35004
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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 cctccaactg agctcacgta ctcccacgta gcccatatcc tcgtttctct caacaccggg 180
 tccccatcaa tcttcccaag ctcccccaac atcaaagtaa tacaacattc aaacagcaca 240
 aactatcaca gccaaagaaa cagagcaaag gcagaaaact ctgccaaaac accaaccaaa 300
 atcacagctn ttctcactta tagaccccag taacaattcc ttcgttccaa ttcgttaacc 360

gttgatcga actccaaatt ttactggaag tctctagtagc ataagcctac attntgaccg 420
 ttgggatcta cta 433

<210> 35005
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35005

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 aacaagtttt ccatatccac aaagcgcgca taaaccacac atccccctgtt gccacacctcc 120
 atctgagctc acgtactccc acgtagecca tatectcgtt tctctcaaca ccgggtcccc 180
 atcaatcctc ccaagcttcc aaaacatcca aacaaaacga cattcaaacc gcacaagcta 240
 tcacagccaa gcaaaacaga gcataggcag aaaactctgc caaaacacca accaaatcac 300
 agctttttctc acttaaagac ccagtaaca attccttcgt tccggttcat taaccattgg 360
 atcgactcga anattttact ggaaatctct aatacttaag cctacattnt gaccgttggg 420
 atctactagc ataca 435

<210> 35006
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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 ttaacctagg gaattaaaaa aacttaatgg ctgagtgtaa ctgaaattgt ggcaacccaa 120
 agtcaccccc aacagccaac aagtcagcca ccatttggtc tcccaaaagg ctgatgccta 180
 gggttgccaat tgggccctta ttacaacttg aactaaacct aactaaagtc ctttttagttg 240
 attaacccaa aacatatttt tggtcagcca actttacaag gattgggcca ttatttagac 300
 aaactaaaca ctctataatt gaaacaaagt ggtgtcattt agtcctcctc catttgggcc 360
 atgatacaac tcacaacctt ggacttttct ccttgaaact tngccttgta ttcaaacagt 420
 atggacagca c 431

<210> 35007
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35007

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 agaaagggtt cggaaacaaa ggaaatcaaa gcttcaacca aggggagatg gaccatttca 180
 agtgcttgaa agaatcaatg acaatgctta caaagttgag ctgcccgggtg agtataatgt 240
 tagttccacc ttcaatgtct ctgatttata tctttttgat gcagatggag aattcgattt 300
 gaggacaaat cctttctcatg agggagagaa tgatgaggac atgaccaaga gcaagggcaa 360
 ggatccactt gaaggacttg gaggacctat gacaagggct agagcaagga aagccaagga 420
 agctcttcaa caagtgtgt ccatactatt tg 452

<210> 35008
 <211> 260
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35008

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 cttaggcact tctctctctt tcgaatttgc ttaggaaaat tgtttccgtg aataaaatcc 120
 aagccgaggc gcttccgtaa cgtttccgta acgtttccgt gagtaattac gcgaagattc 180
 atcgttcgtt cttcattttc ttcagtcttc aacgggtaag tacctcagac caagcttttc 240
 aattcattat atgtaccgc 260

<210> 35009
 <211> 176
 <212> DNA
 <213> Glycine max

<400> 35009

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gcaccactag cttttgattg atctgaacct tggagatttc gagttcacat tgtgggaatt 120
gagcgaacat attacatgat aacactcatt taaatgatca tatcatgata aagtag 176

<210> 35010
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35010

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atgataacga agaagatgct ttctctggaa gttcaagcgg ctggacaatt gcatctttta 180
gtgaagttga gaaacttgag aaagaaagtc ctgttgagcc aagcctgcct tccaagaatg 240
ctattgcagt tatcatgtac acaagtggca gtacaggtct gccaaaggtg tgtttcttta 300
tcaagttgta gagaaatcta tctatgtgat 330

<210> 35011
<211> 454
<212> DNA
<213> Glycine max

<400> 35011

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cttgacctcg ttgacatgca agcgtcctca atcacgaaga ctggaacaaa cgcgatgcta 120
ttgatatagc gagataaatg aggctcagca cagtgactgg tggaatccct agcggagcag 180
actcatcgac tagttaggcc gcgagctatg caagcatcaa caattttagt gaaagtactt 240
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tactgcactt gtcttagata aaagatcatg ggaaatcctc gtattctgta gtccgaacca 360
tgagccactc tatgtgcaga acgctcatgc gattggctcag cagcttgccc tagtgaacgt 420
gatctattag atgatgaatc ttctgacaac accg 454

<210> 35012
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35012

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angaagattt gtcgccggcc cgaaaccgat tatcggttac agcaacttca tgctgtgaat 180
gaggcagcac ctgtggatca gcagaagact ggcattggatc cagcagcata tgttaatgcc 240
gtgagggcta ctactactga aacagtgcc aagcagctga ttgcagcaaa cattcatatg 300
gagacg 306

<210> 35013
<211> 240
<212> DNA
<213> Glycine max

<400> 35013
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tgcccacgaa agcaaagaaa gaaaagattg aaccttcccc agtcagacag tgcgagaatg 180
cttgaaaaga tcagagagaa tgcttcccaa tctgagcatg ggagagagca taatgataag 240

<210> 35014
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35014

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gtggttatat tgtatccttc aacaaagagt aatgtatagt caagacaaaa gatgacaagt 120
cctttgttac taccaaata cacaacaatc tgcattgagat tgatctaata ggtctaagta 180
aacagaatgt gacatgtctg ctttctagag aagatgagag atggatttgg catagaaaac 240
atagtaatgt caatttgaaa cgtatttcat aactttctaa aaaagattta gtgaaaggac 300
tacctaagat ttgttgaaa acccatcttc tctgtgaagg atgtcaacaa gggaaataga 360
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450

<400> 35015

<400> 35016

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<212>	DNA
<213>	Glycine max

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tccttatttg gagcaatctg gagtcaatga gcaacctgaa gcttatgtag caaacattta 180
 taatataccc cctccatagc ggaacctaca acaacagaat gattatgatc tttcaagcaa 240
 cagatacaat 250

<210> 35018
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35018

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 cattgggtcat gttgagcaag caattttcaaa cttcataagg cagtcacaa actcttgctt 120
 agaaggacaa tccaccagac tttcccaggc ttocatgaca taatcccatg cattttttta 180
 ccaacaagggt ttttacattt ttctttcaca ttcttatcaa tgtgaaacaa acacaacaaa 240
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 acaatgactc cagagtgtgt gcacacgctc tcanataaat acttcgaaac cattcttgag 360
 ctcatacaac attgtttaca cgttctccct ccaagtagga aaaagcagct gaaaatgtca 420
 tccctggttg tgtcacacca aca 443

<210> 35019
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35019

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 aaggcaacca gggaatgata ttgatgtgta tcttacacca ttaatcgaag acttgaaaaa 120
 attgtgggaa gaatgagtag atgcgtggga tgcaaatgtg cagcatacat tcacattaca 180
 cgcaatggtg ttttgtacta ttaatgatta tccagcatat ggaaatttaa gtggatatag 240
 tgtgaaaagg catcatgcat gtcctatctg tgagaaaaac acaagcttca tccaactcaa 300
 gcatggaaag aagacagtat atacgagaca ccaagattt ctgatagctt ttcaccctta 360
 ttgatgattg aaaaaatctt ntaatggaag tcaggagaat gaaggctccc cagaaccatt 420

aactggaaac caagttcatg atcgggtaaa ggac

454

<210> 35020
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35020

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aagaaagact tcacatcatt tatgaattgc atattactac caaatatcaa tatgtcatcc 120
acatacaaac ataaaatgac acatccatta tcatcaaatt gtttcacata cacacattta 180
tcagtattat tgattagaaa accatacgaa agaacaattt gatcaaattt ttcgtgccat 240
tgctttggag cttatttcaa accatataaa gatttaacaa gtttgcaaac tttcttttct 300
ttccccgggt ctacaaagcc ttttaagttg ctcatataaa tttcttcttc taattcacca 360
tttaaaaagg gcagttttac atccatttga tgaaatttct aaataanaac acaagcaagt 420
gcaattaaga ccctaat 437

<210> 35021
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35021

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aaacacaacc cataaccac caaaaatgaa actcaatgtt ccaaaattta atggcaccga 180
cccctctggg tgggtgttca aaaccacca attttttgcc tatcactcta cgctgaaacc 240
aaagcgctt accatcgct cttcgctat ggaaggcccc gctcttacgt ggttctagt 300
gatgaccgc aaccaccagc tcccgacgtg ggtggcgttt ttgcaggcca ttgagacgcg 360
cttcgcccac tccccatagc aggaccaac aggaatcctc ttcanactca cacaacggng 420
ctcggntagc gattacctgc atcagttnga agctcta 457

<210> 35022

- $\langle 400 \rangle$ 35022

<210>	35023
<211>	460
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      35023
```

<210>	35024
<211>	431
<212>	DNA
<213>	Glycine max

```
<223>      unsure at all n locations
<400>      35024
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Figure 1

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 cacggataga aagagcgggtg gtcaaagctc gcggttgagg caagatagtg aaggaagccc 240
 gccctgccac ataagtagaa gctctataag cgcgggtctg ggagacgaaa gtcaagtggg 300
 cgcgatatac gaagatgatg ttccaagtac attggaattg gtacgaacat gccctcctga 360
 tttccagctg ggaaatnggc aagtggagga acgccccggc atttacgcaa tgagcataat 420
 gtaaaccttt a 431

<210> 35025
 <211> 368
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35025

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 aatctaacga aatccagacg gatcaattga tcgttacaag gctctgttag tcgccaaagg 240
 gtttcaccaa cgctctgggt gggactatac agaaactttt agccccgttg ttaaaccggg 300
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 tgtcaaca 368

<210> 35026
 <211> 313
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35026

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 cccttttatc aaattctcaa tcatagtaat aataggcgac aatagtagca tcttcccttc 120
 gatccggaga cgacgacatc tccctaaaga tctgggtgatg atgacaacat atccacaaag 180
 atccagtgc aatgacaact tctgtgactt aagcaacttt aacagcacat tgtttgagcc 240

<211> 200
 <212> DNA
 <213> Glycine max

<400> 35030

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 ggtttgcata ttgcgactag gagccttgtc ttcatactgt gtctcatgca cacacttctc 180
 agttgtatct attataacct 200

<210> 35031
 <211> 166
 <212> DNA
 <213> Glycine max

<400> 35031

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 gcgggtgcat ccttacagcc agacagatat ctgaaaatca gaggcaacat ttgaggaagt 120
 aaaaaatgac tacccttgct tctcaccctc tccacgtggt tatgtc 166

<210> 35032
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35032

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 acagtggaat ggagaaggaa gagagagaga ggagatgcca cttcaaggag aagatgagtc 120
 tagaaggagc tcaccacat aggaggccat ggataagagc ttggaggaag aagaagataa 180
 atgaagggag aggaagagaa gaacacgaaa ttttatgctt tacaagagct ctaaaatctg 240
 aagttaatt ttcaaagat caaagttcaa aaaaatacac acacatgacc tctatttata 300
 tcctaagtgt cacacaaaat tggaggaaaa tttgaatttc tattcacatc tcacttacat 360
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<210> 35033
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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 ttgaacaata ctagaagatc ttaanatggt atacaaagaa tctacaccgt tttgaagcat 360
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<210> 35034
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35034

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 gtactagctc tgatcacatc atcaccatct gatgggaagc gtaaatgttg atcaattgac 240
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 cgggtgttta tctttttggt atgaataatc atatgcacaa tcctgagaag ttgangcacg 360
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 atcatatacg gaaca 435

<210> 35035
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35035

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gttggttcaat ntcgagcctc tcgacatatt atgcacccga atcggacatc cgtgtgaaaa 120
gttatgatca tttgaatttc tcgagagtct ccgatgttta atttcgagcg tatcaatatt 180
ttataaccgc gaatcggacc tcaactgtgac aagctatgac catttgaatt cgacgagagc 240
ttccgttggt caatttcgaa tatcactata tgtgatgcgc cttaaattgga cattcgagat 300
aaaagctatg accattagga tgtctcaaga 330

<210> 35036
<211> 244
<212> DNA
<213> Glycine max

<400> 35036
cataatataa cgacacgctc gaaaataaccg attgaatctc tcgtgacact caaaaagtca 60
taacttgcca cactgaagtc cgattcagtc gcataatatg acgagaggct cgaaattgaa 120
cagcgcacgc tcttgagaaa ttaaagtggc ataacctttt ccactgaagc tctcatgaaa 180
gacaaatggt catacctctt cacactgatg tccgactcaa gcttataaca tatctatacg 240
ctcg 244

<210> 35037
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35037

agctntataa gcgcgggttc gggagacaaa ggtcaagcgt tcgcgatatg cgaagatgat 60
attccgagta ctttggtatt ggtacgacca tgccctcctg atttcagct gggaaattgg 120
cgagtggagg aacgccccgg catttacgca acaagcataa tgtaaaccct tacggtttta 180
aaagctctat agttgggcct aggcctttaga gtttttcctt ttgttaaggc tttgagtctt 240
ttgtttttga atttataata caaggatctt tcttcatctg ttcttggtct ctacccattc 300
tcattcattt gcatgtttac ttctttttct gaaacggcag atccgatgac gaggcccccg 360

aagtactaat acctgggacc cgtctatcga cttcgagcaa gaaatgaatc 410

<210> 35038
<211> 343
<212> DNA
<213> Glycine max

<400> 35038

tatcagttaa gattatcaca gaccttgtat gcgtctcact gtcttcaaaa agatcatttt 60
tactattttg caagtcttcg taatctttat gtagaacaac atggtttgtc tgaagatcat 120
acctttcttc attagctaa tcttgcaact ctttaagtac tttcaactta ttttgaacta 180
cctcaatctt tgtgtctaca tcatgagagt tctataataa gatatccttt tctttggata 240
gctgttcatt ttcaagttgg agcatgactt cggaattttg cctttttaca aatcattgct 300
tattgaaata gattataaga cctaccattt tttcttctta aca 343

<210> 35039
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35039

agctntgtct tttcttctat cttntctct caattgttct tcattcttct tcatcttttc 60
acttttggtc caccattttc ttacacaaat ttogtggttt ctctattggt gatgatcatg 120
gaggggttaa caattaatca atccaaggat ccaactgcaag caaagctgaa tttgagtcct 180
ggtttggttt ttctactctg tgtgaatgtt cttctttctc ttcaatccta ttttcatttt 240
tcatgattgt gactatgttc atgattgaaa attgattacg ttatggattc atttcctaata 300
ttcaaaatnt aatcacagat tgtaggatg atcttncaac ataatttggt agttcaaaca 360
atthagagat ttgattcgat tgaacttctc taatgcat 398

<210> 35040
<211> 191
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35040

tacacaagca ttcattagtc caacacacac tcaacaaata gttatcatcc atccatagnt 60
ccaatcaatc atgctcagta tgatgcatgc acctaacctc aactctcaaa tgcaatgtgg 120
taccatcccc aaggaaatag cctaagcgtg tccacacgac actctcactt atgaaaacta 180
tgcagtaagt g 191

<210> 35041
<211> 247
<212> DNA
<213> Glycine max

<400> 35041

agcttgcagt atattcacac gagtcaaaag aaactgtatt ttactgtaac ctcgagtga 60
tatacagtat attaacttta ggctaccata aaatcatttt ctcttgaatg atgatata 120
ctcagcacat ttgtagaatc tatttttagaa taaaaaaagg gaaagaaata tgaaatgtgc 180
atgatgtgtg atataataaa aagagatgac atgacagaca ttactctata aattagtgt 240
tgtgtcc 247

<210> 35042
<211> 262
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35042

tattgttccc actaagtcta tgcctcacgc tgagagcctg gatgagctaa gcatgcctct 60
tcagatttct aattatgctc ttttggactt tattttactc attaagcatc ataaattcat 120
caactnttaa tgttttctac gcaaaaactt aaatgatatt aaaataacac ttattagccc 180
acaatagaat atatatgaga gaacctcacc tacattgatt aacctcacta ttcactcata 240
ttttaactcc aaaatacact ca 262

<210> 35043
<211> 382
<212> DNA
<213> Glycine max

<400> 35043

agcttggatg aagaatgaga tgaatgaagg gagagggaga gaagagcacg aaattgtgtg 60
 ctctaaaaga gctctgaaat ctaaagttaa tattcaaagtg atcaaagttc aaaaaaatgc 120
 acacacatga cctctattta tagcctaagt gtcacacaaa attggaggga aatttgaatt 180
 ttaattcaaa ttctacttga atttgaaatt gaatttgggg agccaaactt tggagccaaa 240
 atttcactaa ttatgattag tgaattttag ttatagttca gccagtaat ccaagatcaa 300
 ttccaagatt ctccactaag tgtgcttaag tgtcatgagg catgtaaagc atgaaagaca 360
 tgcacaaaat gtgactatat ga 382

<210> 35044
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 35044
 tataagaaca gaattgcctc aatcattgcc aaatatgcat gttaattatt aagcatcaac 60
 aagaatcaat ccaacgctat tgtgcaagca atcaatgggg caaaacacac caaatgatta 120
 tgatgatgga tggctcaaat tctcacaaag gtaaaactcat cattttcaaa ttgagatttc 180
 aaaactatca tgacatgtag aggagaatcg aggatttcaa gtcacagaat gtcaagaact 240
 tttattttca aaacaattac ccattttcttg aacatatcct ataattcaaa gaaaaacatg 300
 caaagtcgta catgcacaca aattgaccca aaatattaaa ctaaaaattc gacgaaacta 360
 acaacattaa caaattaaca aaaccaacaa aaatagcata accaaagaac actcctcccc 420
 ctcatactta agcaacacat tg 442

<210> 35045
 <211> 255
 <212> DNA
 <213> Glycine max

<400> 35045
 agcttggat gtagtcatac ctcacagaat atatataatt atgttttaggt agtgaaaata 60
 cttatatat gcatgtatgt aacaaaaaaaa tacttcacga aatatatata tgtatgttta 120
 ggtagaaaga taccttggat atgcatgtat gtagcaaaaa tacttcacaa aatatatata 180
 tgtatgccta ggaagcaata taccttgcac actcatgtat gtaacaaaaa gatatgtcac 240

<210> 35046
 <211> 180
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35046

tccacttatt agtgcacagc tccttcaaga atttagcata tcttgtaatt tgctntattg 60
 catccagcag aggtatgttt acctgtactt ttctaagtat ttgcaagatc tctntctctg 120
 cctcttccat ttttttggtg gaaactgctt ttggaagaat ggaacaggaa ggatgtgctg 180

<210> 35047
 <211> 371
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35047

agcttgtaca tctctgtttc tctacctttc atcacanacc ctggtggttg agtgacaaaa 60
 acttcttctt ctagtgagcc attaagaaat gcagatttta catccatttg gtgtacttcc 120
 cagcaattga agctagccat tgctattaca agtttctactg tttccaacct agcaacaggg 180
 gcaaatactt catcataaac cagaccttgc ttttgcaaaa atccctttgc aaccagtctg 240
 gctttgaact ttgttacttc tctctacga ttcaacttag ttgtgtagac ccattctact 300
 gctatggctt tctttcctat tagtagctat gtgagactcc atgtcttggg tctctcaata 360
 gacctcaact c 371

<210> 35048
 <211> 367
 <212> DNA
 <213> Glycine max

 <400> 35048

tatcgattca tactatgtac cctcggtggt gcacattgcg tttttcgcat atatattctc 60
 gacttgttta ctctttatac ccctgttga cgtgcttaag ccagtttgct taagtcatat 120
 ctcgcttaac ttaaaaataa aatcaathtt caccgaacgc ttgaattgta ttatgcgcta 180

acttcgggta tgatgaattc cgaccagtcg gtcgtgagag taccacgttg gaaatcaata 240
aagatgtata atatagtatg atcatcacia caacatcttt tagtaaaata aagcggaaga 300
tcaatcggac gttatctcta tgagattcct cattcttcat ccgaatgatt aataactaaa 360
gtgaaac 367

<210> 35049
<211> 229
<212> DNA
<213> Glycine max

<400> 35049

agcttattca caaatgtggt gattgggttc cataatctag atagaggatc gataaacaaa 60
actatggaga ttagtgtatc ttataattac ctcaacagtg gccatttgga atgcaaagag 120
ggaaagtcac aatatgatga agtatgaact atgaaggaaa gctcgggaatt aaagacagtg 180
gttgtgactt tacctctagt tgaaagaggt tatttatata tgatactat 229

<210> 35050
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35050

ntgaacttgt atcgctgcat tacggaccta tgcttactct gcttgatgac tcatgacaca 60
cttgatttac aatctctgag ttcatagtgg ctggaaatac ttatgccgat cctttaggaa 120
tgagtccacg tataagaaca gaattgcgta cgtgctctag ctgtttgtga cctaataaaa 180
tccatggcat gatctagtga tggattacac tcttatggca tgggatctct agactgtaaa 240
ctctcttttg tttaaaggctc cgtacgcacc tcatgctctc tatgcactat agactttctc 300
gataacactt ataangaatg agtaaact atacacatgt ttctggagcc ttgtatcaag 360
atcgaggttt acgcatgtcg ttaccagtat actgacatga gatgctcact attgtataga 420
tgtccgataa atgtgatact attatgacac ttgagacggt ttacagttg cgagagtttn 480

<210> 35051
<211> 435
<212> DNA
<213> Glycine max

<400> 35051

agcttgagct cactgttgct gctccataaa gctccacgga atttgtctcg gccatgctct 60

tccttacgag tcctcttcgt ttcttggtcc aaggctttgg tggtagcttc atttatactt 120

ctcagttcgg cattctcctt tcggatcttc agagctgcta atttgaacct ctctttgact 180

at ttggggctt gctcgagttt tgccctaagg gctgcacct cttegtcttc ctccgatgcc 240

tccacttcct cccttttaac ggttctcaaa ctcgggagcc aatccaaacc ttgcacgtgg 300

gctttcaacc acttacggta gccaccgatg ggcccattgt tactaccctt gagttctttg 360

tcctttctttt gcaccacctc ccatgcttgg cggaccttct gaagtgtttc cagctcagtt 420

ctattgaaac ctctg 435

<210> 35052

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35052

nngcatattt ttctactct tctgttnngt aatttaattt tcctttgttt tccaacatta 60

anataattaa gaaatatatt ctttggtatg aataatcttt tggatgaatg tcatatctat 120

cgttatcttt tttttgttat ctttatgtgc attaatcttt ttaactctct cnattacctt 180

tgtatctata aatatattac tcatctttta atgagaatac acaattctca ttctttctaa 240

actctccttt tctctaattt tttttctct attattttcc tccaattaca ttatatttaa 300

nagttatcaa cagatcgctc ttttattcat ttagcatatt ttctcattaa catctcgact 360

tgttagaaaa aaccttgtag acaattntat canaaaggta atattttcac attcatgtt 419

<210> 35053

<211> 440

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35053

agcttcatga tgaatcaaca atgattcana agtggtttga tgataagaat gatgacaaca 60

aaagatgatg acaaagagga tgaacaaaaa tgtcaaaaga tcaaagaaca actcaagtga 120

atcaaagaac aactcaagt aatcaaagaa catctcaagt ggatcaagaa caagtcaaga 180
gtccaagaat caagaagaat tcaagactca agaagaaagc ctacaatcaa gaatcaagat 240
tcaagaataa agaaaggact caatcaagat aagtattaaa aagtttttca aaactttgaa 300
tagcacatga gtttttgaca aaacctttac cacagagtct ttactctctg gtaatcgatt 360
accatattgc tgtaatcaat taccagtagc acaatgagtt tgaanaagtt ntcatactga 420
atttacaaca ttccaattat 440

<210> 35054
<211> 259
<212> DNA
<213> Glycine max

<400> 35054
tgcttgtgga gcttctatgg aggttggatc tttgagcttc aatgacgtcc ttcaatggtg 60
atttttcacc atggagatgc agcggaaggc aaaggagaag aggagagggg aggaccatc 120
cactacggaa taatccaagg aagaaggagc ttcaccacca agaattgcct tggataaaaa 180
gcttgatgac gatgctttaa tggaggaaaa gaaagagaga agggggggagc acgacattga 240
tcgaataaaa gatggaaag 259

<210> 35055
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35055

agcttgagat gatgaagtgt tgaaggggtga aacttcctac ttttattggt gaccacagag 60
tggtacctgg agatatgtcg cggaggtcat gagaccttgt ggacgtcagg tgggggtgcta 120
ttgcctaaaa ccaagcttga ccaatcccga cccaaccga gcatagttgg tcagtgaagaa 180
cctgtgatgt acctaagcag gcgagctcct ggaagtcaac agataaaaagg aacaaagacc 240
acaaagcaag ggggcttgtg gtggctggcc agctgtgaat tntgtgtgat atatgattat 300
ggcctctggt aatcgattac caacggtggg taatcgaata caaggcttaa nattgaagac 360
aggaggctaa gatggtctct ggtaatcgat taccacgggg tggaat 406

<210> 35056
 <211> 382
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35056

 ntatacaagg gagcaaaaga tacaagtatc attcaaggta agctatttgg tcaaaagagc 60
 ttgtgtctat acaattcatg gccttcatca tgttctgagt tatacaaatac attctataat 120
 tcctaagcta gttttaaaag ttgtctatcc tatggttgac caaaataaca aagataagga 180
 tcatgaggaa cttatttggga tcgctgatac aattgaccta atgtagatgt tggattagat 240
 gagagagaga gagagagaga tgatatgggt tatgcagaat tctccaactg tccctacact 300
 cagcacttgt cattgtgctg aagttacact taaccaatgc tttttcgacg ctcccgetta 360
 gcgaacgctt tgctaagtgg ga 382

<210> 35057
 <211> 405
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35057

 agcttgagag ttgagacata tgatcatgtgt caaccttgct ctagacttct aattatattg 60
 ctccctcact ttttctgagg taggacaaac aaatgcttag atgtatgggt tagggttatt 120
 gttaggatat aaagagaagg gaaagttagt gggaaccgc aaacatgaaa agagaagaag 180
 gtacaacgct acttgaaaga gggtatcgaa ataggctaatt ttttaaaaga aattttgtaa 240
 ctaatctttt acattgattc ttaaaaaaat ctgataaaaa aaatcaggga agtgtttgat 300
 gcgtgtccag ttgtttggag aagtgtctgt ggctgtcca agcccaaaan gataattggc 360
 actgcaaaat gtgccacaca atgtccgcat gtgtctatga gtgtc 405

<210> 35058
 <211> 434
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35058

nttgtgtgaa aggatgtgac tcttcacatt tgaatatgaa tttcaacggt caaaggcact 60
 ggtaatcgat taccaaaaca ttgtaatcga ttacagcttt ttgaaaataa ttggaacggt 120
 gcaaattcaa tttgaaaact ttttcaaaac aattttgcta ctagtaatcg attacaacaa 180
 tctggtaatc gattactaga gagtaaaaac tctntggtaa aagggtntgt caaaaactca 240
 tgtgctattc aaagttttga aaaacttttt aatacttatac ttgattgagt cttctcttca 300
 ttcttgaatc ttgagtcctg aatcttgatc ttgattcctg agatcctgaa ccttgaatct 360
 tgattcctgt ctctagactt tcttcttgag tcttgaattc ttcttgattc ttatcctgaa 420
 ctcttgaatt gttc 434

<210> 35059
 <211> 158
 <212> DNA
 <213> Glycine max
 <400> 35059

tagctattgc tgtagacagg atatgatatg caatccggga tatatctacc tcaaaggtag 60
 atgatgcctg agccagtcac cccatttaac ccatgcacat ttatccttgat cagtgtctcc 120
 accaacaacg aacctactct ggataacccc cgagtggga 158

<210> 35060
 <211> 332
 <212> DNA
 <213> Glycine max
 <400> 35060

atatgctccg ttgtgtgaca taataatata aggttttata ctactagaaa agggaaatca 60
 ctacgatcaa tatattgggt gattgattag atgtcaaacg actccattgc cgtcactcca 120
 aaatcgtaa gtgactcaaa tccacattac gtacactttg acggagtgcc tcacaagata 180
 ttacaataga ctggatgagg gctcatgagt gatcacagtc tgtcacaag agacaagcga 240
 tctgagatgt ccacagagaa agaaccagct aacaaataat ccaatcagac tctctttgca 300
 ggaatgggaa agaattgtctg agcattacac aa 332

<210> 35061
 <211> 419

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35061

agctntanga gaaaccataa aaactaaggt agttcctaaa caaaaatcaa ttgaggaagc 60
 ttgcgaagt atccccattg aaaaaccttt attcaaacct ttcaaagtta gtgagaaggc 120
 taaacgaaaa attaggggaaac ttagaaaaaac taaatcctta actgaaggcg taggtgacaa 180
 tcatagttaa ttactaaaca agatcggtag tttacttaag gtcattccag atactcccca 240
 agcctcggaa aatacttccc aaatggtaac aagaagtacc tccaaattaa ttaatgttat 300
 taatgaagat agtgactaan actcagatac cacaactgag ataggggtcaa tgtcagaaaa 360
 gaatataaat ccaattaatt ccaaacactg ganaacaccc tnncaaatat attatcaac 419

<210> 35062
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35062

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 aagtattaag gattgaaggt tcattacatt gtacaattca ggatcaagtt tgtttatcaa 120
 cttttatcat gaaaatctgt gtttggtcat tgacatgcta cttgattgct tactgtacaa 180
 gattctctcg aggatgctca tacaactgat tgtttgcang tctcttttgg tggaggtatt 240
 ggtgcctcgc atgttcatac aataggtctc agcttta 277

<210> 35063
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35063

agctntntgg ttntaaatga aagggttttc tctttatcta ttattttatt caagctatgc 60
 cacatgtctc catttgagtg gagcaagaag ggcccacttt ccctttttta ttgtgactca 120
 tactcagcca caaacagtga gaaaaatctg acctttgaaa cgctaaaatc ctgcctcggc 180

ttgcatgccg tttctctggt tccagttcct cgcgtttctc tgcgtccgtc ggggccagtt 240
 ttcgaaagca agcaatatat atatcaaac gctcagaata aaaccccgag cgtggntcag 300
 aggttggttt cgttaaattc taagtcgcac ggcaaacgat gaattttnac taattaatta 360
 agaaataacc cataacctcc cagttatgga tttctctctc ttaattagcc taaccccgct 420
 atcttgcccn cactactcct at 442

<210> 35064
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 35064

tgaatgagag cactaacaac atttccttct cttttgcaa tgttgacact tcattatgga 60
 cacagccatg gttgcttcaa tactttatat tcacgtgaat cccaatatat ataccaattg 120
 acgcggatcc cttctgaacg ggaacggacg ttccagagca tcaccgaact gttcaagagt 180
 gacatcagca tctgcctcga tgaacatgac ccgcttgaga gtctatctca gataggatct 240
 tactctcgcc attattgggg atattagcta cagatatgtc gtgtgactca tggaagatgt 300
 gcagcgctat tgtataaaca tggaatcgac aatatccaca tgtgtggata aaaatcttgg 360
 acgcccacca gaccta 377

<210> 35065
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 35065

agcttgtctc attgtttatg cgagacagag accaacaatgt tagccatcgt cagcaagtac 60
 caagaagaat taaatctagc cacggccccc aagtacaaag tggatgaacga gtatgcccga 120
 gtgtatgcgg aaaaggaggc tagaggaagg gtgatcgact cgttacatca agaggaaaca 180
 atgtggatgg accgatttgc tcttactttg aacgggagta aagaacttcc ccaattgcta 240
 gccacggcta aagcaatggc ggacacctac tccgccccca agcttctcag ctctgtgctag 300
 ggactcttcc aattcagcac ttgtacaacc tagagcgccc gcgcccaccc agaggggaggc 360
 cccccaagct ccggctccaa cctgactca ctcgccagc aacgccc 407

<210> 35066
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 35066

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 tggattatt tttttctccg tcattgaggt gccacttgag ctgccaggac tctccacctt 120
 tgggcgtatt cttttgaaag attcgtgcc cccttttgca catgttctgt agttgcatcc 180
 tatctgaaga cattatactg aactgccta acgaaggcaa ccactagggtc cttccaagaa 240
 tggactcggg aaggttccaa gttagtgtac caggtaacag ctaccccagt aagactttct 300
 tggaaggaat gtataagcaa ttctcatct tttgcgtatg cctccatctt ctgataatac 360
 atcttttagat ggttcttgga gcaagtagtc cccttgtagt tgtcaaagtc cagcaccttg 420
 aatatgggag gagtgatgat 440

<210> 35067
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35067

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 attttggggg atagaggacc ggtggattca agcccactag tggacgactt caccctaactg 120
 gtgggagttc tcagccagtt aacaaggtgt cttaatctgt tggtagaagt ggtgggtggtc 180
 ctgctactgt gtctacacca ctccggtgtg ggaagtgtgg tcagcttggc catattgctc 240
 attagtgcac agatagagag gtgacttact ttaactgcca aggtatgggc cacattagca 300
 ccggttgccc aaaaattgat cttctagggg ttctacaca tgtntattct aatccccgag 360
 cacaagtaac tcatccttta tcttgatgta gtcgctcaag tgttctctat tagcaatggt 420
 gacatttctg gtgctctaga gct 443

<210> 35068
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35068

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 gatccaagtc aagaattcag aaattcataa aataactccc cagagtcaca actcttcaga 120
 aaataactcc tgagagtcac atctgttcaa gagatrrrttg aatggacatc aaaggcctat 180
 aaataggtga cttgngacac aaaatgaatg agagagattc caagagaact tcattctcaa 240
 atgctctctc aaaagaaact cttgggcaaa cacttgcaaa tccattaaga gttcatccat 300
 ggacttcaat tgtaatatcc ttctcttcaa gagagaattc atcttctttc ttcttataca 360
 aagagattga ttaagggacc gaggtctct taagttgtaa ggattcctga acacaaggga 420
 tgggtngtcc ctgtgt 436

<210> 35069
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35069

agcttcaggt tgctcattga ctccagattg ctgcanagaa ggatagagat ctgtatgggtg 60
 atctacagaa gaacatagac cacagactct tgcaataggt gcagatrrrtt tattcatggc 120
 aagttgagtt actaggttga ccaaggcatc aagtrrttccc tcaagctrrrtt tattrrttcagt 180
 agatgaagat gaatccgtgg ccacctcata gactcctcta aggacaatag catcattrrtt 240
 tgcactgaat tgttggcagt tggaagtcac cttctcaatc aaattcctag cctcaacagg 300
 agtcatatca ccaagggtc caccactggc agcatcaatc atactcctrrrt ccatgtagct 360
 aagtcctca tagaaatatt gtagaacgag ttgctcagaa atatggtggt gaggacaact 420
 tgcacacaat ttcttgaatc tt 442

<210> 35070
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35070

acccaataca ttgtaatgtg aaaaccatac ataactaccg cgcgctagat tttgctctca 360
 tgcaggtata catccacgct ttctcatatc attatggagc tccctgtgaa tattggacat 420
 atacagagct gtgcgggcca gacctatata tttatctgc 459

<210> 35073
 <211> 197
 <212> DNA
 <213> Glycine max

<400> 35073

agcttgatat gatgaattgc tgaacggtga aacttcctgc ttatattggc gaccacagag 60
 tggtagctgt agatatgtct cggagggtcac gagaccttgt ggacgtcagg aggtgtgcta 120
 ttgccccaaa ccaagcttga ccaatgccga cccaaccgg gcatactcgg tcagtggagaa 180
 cctgtgatgt acctaata 197

<210> 35074
 <211> 301
 <212> DNA
 <213> Glycine max

<400> 35074

gtgtctatac aattcatgac cttcatcatg ttctgaggta tacaacacac tctagagact 60
 caagaattat gccgagatca ttattcacag atagtcattc actcacagag taagggtcaaa 120
 ctctcaccga gttttgggtc aagctcttct ttcacaacta gtctatctag tgactaacca 180
 ttctattata agtcacact cttgctcttt ctttgtgtaa catacacatt tgctcaactc 240
 atgaaaagaa acaccaacta ccttccaatc atgcactcca ttctaaataa agacatacac 300
 c 301

<210> 35075
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 35075

agcttttctt tggatgaaag tgatgagtc tccataccaa gagcagatag tggatgaatcc 60
 aattcatcaa gttcatcatc actggtatat aactttttga gcacaaatga cccagttctt 120

agtgaaagttt tgtttccac ttctttagc ttgcccacaa ccgaagaagc tggaggtggt 180
gcatagagcg tgaaaccagc aggacatgga aagcttgtaa tggccccttc accatcctga 240
atatacctaaa ataagaaaat ccaataaaac aatccttatg tggacataga atgtagacat 300
tgcaataatc aactcctaca ccacagttct tatgagtcac gagacatgct agcaacaccc 360
tctccgatat tctcttttag acattctttt actatagttc taacattatt agaaagtac 419

<210> 35076
<211> 448
<212> DNA
<213> Glycine max

<400> 35076

tcaccagtct gatccgtcag tgacagttgt taatcacact actatgtact ctcttatact 60
gtgctctttc tcttgtctct ttctcctttc ctgtaagggt gtcaaactca agagttgggt 120
aaactcatgg agaaaagtaa acatgaatct aattttgtag aagtttacat gcattaaaaa 180
ttcatttagg aatatatct tagtaccacaa acataattaa atggcatatc cataatcgat 240
attgaatatt caacataata aagcaaacaa aagtaatgaa atgaaaaaca tatctcaatt 300
ctggaaactg ttatattata ctagtccagt gaaagataaa aaaaaacata aaattagctt 360
cataaactaa aatagaacaa aaggaaaaaa aaatgaaaga taaaaaacat aaaattagct 420
gcataaactt aatacaactc acagaata 448

<210> 35077
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35077

agcttattat tatgtttatt ctaagttatg ttgattntc tatttttttt aaagtattta 60
ttataatggt atatttacaa caattaaaaa aattaacaga taaataaatt tatcatattt 120
cttttacttt taaaactaaa attttaattt taatctttta aagacaaact tgtccaacac 180
taaaacataa gaagaaaata gttattaaaa aataaaaatg aaagatcttt actcctgatt 240
caatgattcg ggtcttaccg gcgtgaatcc tgattctgaa tctggaacag ctgctcccg 300

ccgatcggca tgtaatgttc tatcatgaat cactcactga catgtatctt atcattcgtg 360
ctactattat c 371

<210> 35078
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35078

tgnaaatcga ctaacagtag caccggtaat agttntcttt tgtgccaaac taatttgaaa 60
ttcctagtag ttcatgaaaa tgaatttaac tcctgtaaga ttgagacagg tttgattgca 120
atatttcaata ataaactctt atctgatgca aacttattga atgctgttta aataagatgc 180
cttgccaaca ggggttgaga aaaacagtag ttttaagatt ggacaagcta ggatccacgt 240
tgggccttag ctttagtgaa gcccttcata ctgggaattg aacaggactg tcgtgga 297

<210> 35079
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35079

agcttaactt catcaattat cttcataatt cncctcgctc aagcactcaa gatgacttgc 60
tttagtgagg catgtcaatg tttcttgggt ttgattctga cttggcttgc ttaagcacat 120
agtatgcaac acttaagcga gaagagcttg gtttcttcaa taacttttcc tgctaaaact 180
ccacaaaaac atcaaaaaag tcctaaaaaa acctaaaatt ctagagttcc aatgtgatta 240
ttcaaaattc accccaatct taaggtaaaa caaggctcca tgtattagaa atgttccata 300
atcacctaca atcatatgta aaattaaagt atatttgacg attaccaact atcanagtat 360
ttgtcattta ttaatagtag taattattac aaattatact tanaatgcat gatgttataa 420
agacaaatct ctacaaaaaa ta 442

<210> 35080
<211> 368
<212> DNA
<213> Glycine max

<400> 35080

tgtgcaaadc aaatcaccca tacatttggc ctctaaccatg cattgtgtgt cggtcacaga 60
gctttgacac gggaaaccgg aaggtacata tcaccttgtt aaatggacac atggagcact 120
gcagacccga atgctcaagt tagaatagat aaactttctg tctctcgagt tcgcacaagg 180
gattcatatg ctgctctaca taagctatgc ttcatacctt catagcggac gtatcctacc 240
tttgatcgct atcataatct acactcacat tttgcttgag gaatagagtt atcttgcaaa 300
tgcgtcttgc agagcatgtg atacgcctca ttgcatacca ttcgcactca tgtgtgatca 360
tacttgcg 368

<210> 35081

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35081

tatctnttca catagcttac ggtaagatct gngacctagc cttggtagag gtctccacag 60
aggccattgc ctccctcgcc caatattatg accagccgtt gaggtgcttc acctttgggg 120
acttccagtt atcacccacg gtggaagagt ttgaagaaat cccaggatgc cctctgggag 180
gaaggaaacc atacctcttc tagggattct atccctcttt agctagaatt tctaagatag 240
tccaaaactc gacgcgggaa ttagaccaca gaaagcaagt caaaaatggt gtggttggag 300
taccaaggaa atgtttggaa gcaaaagcaa gagtcttggc aggtaaaggc aaatggggcc 360
tgttcatgga catcctcgca cttttgatct tcggaggggt cctcctttca aatgtggatg 420

<210> 35082

<211> 395

<212> DNA

<213> Glycine max

<400> 35082

tctccgcaa ttgtctataa atagggggag aagtgaagtg aatttggttc attcccttag 60
gcattctct ctctttcgaa tatgcttggg aaaattgttt ccgtgaagaa aatccaagct 120
gaggcgcttt cgaaatgttt ccgtaatgtt tccgtgagga atttcgcgaa ggtttcaacc 180
gttcttcgac gttcttcate gttcttcgat cttcaacggg taagtacctc gaaccaagct 240

tttcgattca ttctatgtac ccgtggcggt ccacattgtg tttcgtgtat ctctattctc 300
gtttatttac tttttataacc cccttttgac gtgcttaagc cattttattt aagtcatttc 360
ctcggcttac ctaaataataa gataaatttc catcg 395

<210> 35083
<211> 343
<212> DNA
<213> Glycine max

<400> 35083
tagctttgta tgtgattttt gcatactctt atatatttct cattgaggat ttgaataaga 60
aactgttttag aggtgtagca actcaagttt ttgaagaagt tggtttttga tgaggattta 120
caatctttgt ggtaaagtgg tatagggttt ttcactctta ccaccactgt tctttcgtct 180
aattgaaaat tgcatttcaa cacaaggacc ataggggcgt gagttgctat gcattttcca 240
cagttaaacc ccacagagct actacatgag catgtagcgt gtcttcacct aacaggatta 300
tggaattggt gggttgatca tatgagctat tgcattatac atg 343

<210> 35084
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35084
tccactctgc ttactgcat cagctcgaat atttataatg ttgataaacac cttaccattc 60
gccttgatac aaggaaacca catcatgcta ttgtgctaca tctcaaatga tgtgaagcac 120
tatgttccca ccattggag gcacccttaa tggacgccca catcaagagg tatgccaagc 180
ctgaagtata ttagcaagga aatacaggaa tgattggctg ctggccaaaa agacacacat 240
gacacacctt ctctcggaca tccaattttg gccaacctat aaccatatta ttatctacta 300
acatattcat acttttgaaa antaagcgac caaacctgcg atgcgtaaga cagctgcac 360
ggctgatctt tgcagccatt acacatagta ctttcgttgc cctactgctc ggctgaatgg 420
tgtatctcct cccc 434

<210> 35085

<211> 385
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35085

 agcttgctct agacccttga ggtaatatgc atcaagctag tgacattaaa gaagcactta 60
 ctgggaggca acccaactct ctttttccctt attttattaa tcattgcata tagtcagggt 120
 tcaacttggt tgtgattggt agagtaggtc atcaacctgt tttttatgat caagggggtg 180
 ttaaagcttc tctaaagttg tggatgagga ataacttaga aaatttttca gtcattccact 240
 cactcagcgc gccctgtgtg ctaagcgaat catccttcat gcactgagcg agtcattcact 300
 cgcgctaagc gcaccaaccc caaaccattg gctgaagggg cctcactaag cgagaccacc 360
 gccctgagcc canaacctct atgga 385

<210> 35086
 <211> 220
 <212> DNA
 <213> Glycine max

 <400> 35086

 tccatcataa tgggggtgtg ctcaacctac ccttcagagg gatttcgacg cagcgcttac 60
 agctgtgctt tccaagtga gaaggcgcgc gaagttgcc acaactatta ttcgacgaaa 120
 atgtgcacta aactggaacg tgcggtatat gaactttaat aatgtaacga tcggtacaac 180
 gcgttcattc acggcgaaga tattatcacc ccacacatct 220

<210> 35087
 <211> 412
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35087

 agctntgctc taactgcaac agcagagcca ctagaagatc ctccaggaac ccggtctggt 60
 gcacaaggat ttctaggtgt gccataatgt atattctctc catttatact ggcagattgg 120
 aatacttagt tacgtgagta acagaaataa ggtgttcaaa acatacacat gtctgattac 180
 acataaatac caacactcat agtcacattt tccatacgga gaagaaagct ccaccaaagt 240

gagctaaact gagcaagtat ccattttaatt attaaagtgc atcgtggtct taccacagct 300
 aaatttaagg gtggaaacac ccttatgcaa atactttaga gacaaaaata atcattgagg 360
 agccttggac tttctatata ggctactgac tgactgatag atatattact tc 412

<210> 35088
 <211> 494
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35088

aaagtgcata tgnctccgac tcaatgcatg gtctcgatag atcttatgcg attgcacata 60
 ccagccagg cgtcgaaata atatagtcac ctgtgatatg cataaattac ttgtcacaca 120
 gcatttgcac tcgtagaagg gctcaatatg agagtgtac tctgtttcac actaacaatc 180
 tctagtctta tgcaatgtat acctcattta ttaggcacag ttatctgaga gaaaaaatcg 240
 tcccaccag tcttcgcaga actggtaggt ccagaacata gtgagcgtgc ataacagtca 300
 ctgaataata atacacatga atatctccgt atgtgaatag cttattctta ccaacatgat 360
 gtgttctcat ctaagccagg aaccattatc tctgaacgtg aaattgcaaa tcttttgaca 420
 catctcttta cttcatgtat ataataaaaa tttcagcttc tccattctct actttgatcc 480
 agagtctatg tgcg 494

<210> 35089
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35089

agctntgagt ctattcaatc tacaatacct ttgactcgg atgtcggatt gagtcacgta 60
 atatctcgag aactcggaa ttgaataccg aagttatgag caaattcaat cgacaataaa 120
 tttttactcg gatgtcggat tgagtcacgt aatatatcga gacgctcgaa attgaatacc 180
 gaagctctga gcaaattcaa acgacaataa ctttttactc ggatgtccga ttgagtcccg 240
 taatatatcg agacgctcga tattgaatac cgaagctctg agcaaatacga aacgacaata 300
 aatttttaca cggatgtcgg attgagtcac gtaatatgtc gagacgctcg agatagaata 360

<211> 383
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35092

 tatgaaagat atcagtctaa tgctcataat cagaatattc agaatcacca gcaacagaat 60
 gctcacaatg ctccagaatac tcagaatgct caaaatgac aggatgcaca ctatgcctaa 120
 ctaatctatg aaagggttata tctatttcat gatcaaaggg ttgtaactca cctggattgc 180
 ccctagtcac tcaactatg cagcaaatca tgtatttttc atactagcac cacgggtaaa 240
 aaggggggta agctacgggt aaaactacaa ctatactcaa acgatatcta gacgatctga 300
 naattcgtga gcaacaccca aaaatcatga aaagatagca caaaaattct cagacaataa 360
 ttcaaagtct aactatgaaa act 383

<210> 35093
 <211> 323
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35093

 ggcttatacc tttgaggtaa tacgcaatcg ggtagagtac attgtgtaaa cgcttactgt 60
 gagagctacc aactcttatt tttgctcatt ggattaatca ttgcatatgc acttgtgatc 120
 ctatgtctgt gatagtatca caatggcggt aaccagtggg ttatgagcga agaagtgagt 180
 gagcttctat tgatattaag aggcgcgata tctttattaa ttctcttgtc atacacacac 240
 ttactctctt atgnacacat tatactacac tctgcatgca ctagacgagt tataagtctc 300
 tatgctctca tcatctctct tct 323

<210> 35094
 <211> 261
 <212> DNA
 <213> Glycine max

 <400> 35094

 agcttatctt ttctttaaag aaaactttta ttagatacat tttccgaata gctcttaaaa 60
 aattgaacaa attgttaatt ttttaacaga atattgaaag ggaaaaaatt taagttagta 120

actgaacttt tagggaaaat tattagatga ctcagaaatt acacatctat tgataaaaca 180
 tgattcaaaa catcgatata ccattgggtg tgattaaaaa ggaattacat tacatttgtc 240
 tatacatatc aactattcta t 261

<210> 35095
 <211> 185
 <212> DNA
 <213> Glycine max

<400> 35095
 tgagagcgca taggcttcta gacaagggat gtctcttatt ctatgcgagc gttatccagc 60
 tgggctgcaa taatatatct tcttgatag ataattaatt ttacgcgcat accagcgtgt 120
 atgccaatct atattaatct cttttaccta cttttcattc aactaataa ccccaaacac 180
 atact 185

<210> 35096
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35096
 agcttgtcat atggaaggat aggataccct atgctttntg gaagggcaac ccaacagtgt 60
 ctattattag gagagaactc ggcaagtgca acaccacaga aaaacatgat tggaatgcaa 120
 gaatatatga catagtaa atataatcta aaaatttact tttgttttag gttaatgcat 180
 taattatctc aagattaaat taacacatct tttctctctc tcttttcagc aatgggttgcg 240
 agagagagca agtaattttg agaactcaaa acttgaaaat caatgtacct ttaggtaaag 300
 ttntgaagca tattttatga ttctgatttt tttaaataat tattatagaa ggggttagtt 360
 tactcttttg aatctgtcac atataatctt ttttagattg tacttactac attttgaaac 420
 t 421

<210> 35097
 <211> 301
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 35097

tatgcctggt atgatntttt ggtttcggcg ggtttctaata tattaatatt tttcaatttg 60
gtacttatag cttctgccga tggaagagct actggagaga cgtcttactg accctcgttt 120
accaatgtaa gttttattgc gaagaaaaac ttgggtgagg caatattggt caatatgact 180
atataaaggc cacacatgat agtaaattat gttttttgat ctattgggat ttgggtcata 240
ccacagggaa acccatatcc ttcccattaa tccatccttg cttcagattt gaacctggaa 300
t 301

<210> 35098

<211> 293

<212> DNA

<213> Glycine max

<400> 35098

agcttgctat tatgttaagg gactacaaca agaaaaataa tgtagaaac ttagaaaact 60
agatagaata agataatata gtttaagaga gcaaaaaaac tcaccagaac tataatgaag 120
ataatgagcg tcagaaatgg tacgggttaat aacgatgttt gttgtcatgg cggctatgac 180
aaaattgagg gcaagagata ttatcttgag ttaagaaaat ggtttgctgc gttgaaacta 240
tgatgggtggg tgcacataga aatatatgat gagagaatgc ttatattatt tca 293

<210> 35099

<211> 601

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35099

cctctctccc nctctctct actccgtagt gatattatct gactgccact ctactgttg 60
tgctctcat acntcannnn ncctccacac gcgennattt gttgcattca tagcacgtgc 120
gcgacactan aatcactcta gcatgtgcgc acgtcgatgc tcgaggggtga cgaggtcgag 180
tgtcctttgt gaggacatag agagtgcaaa tcgcaatcac gaggcgacga ctatagaagc 240
gaaggactat gaatactgtg tgggtgacgaa gattgataac attgagagtt gtattccttt 300
catacattat gacatataac gagaagtgcg actgacgagc gaccgattca acttatgcga 360
catgacgaat ggcgcgtggc accaggagac taactactca cataatagac tatgccgagt 420

ttacacacac attgta

436

<210> 35102
<211> 333
<212> DNA
<213> Glycine max

<400> 35102

tatctttatt ctaacagaat aatccgataa tgtcatatat ttcggtgttg attaagcata 60
acaagacttt gtgtgattgg tttaaagata caatctttgc agatgagaat gttcaaaaaa 120
cattatgaaa gctagcagat gggcctaaaa gaaatgttat aacctggcga ggatacgaca 180
tacacaggta ttcattttac acgaaagcac aagatgacgg aagtacaatg cagaacagcg 240
gggtcacccct atgggctgaa tctcaacact ttgcaagtgt caatgacgcc aatccctgtg 300
tagcttacat cccttacttt gagttcattg atg 333

<210> 35103
<211> 316
<212> DNA
<213> Glycine max

<400> 35103

actagaaaga ctctgataga agatgcttaa aggggatttg aaacacttca agcatcataa 60
aatcaataaa tacagagaaa taagtattta aaataagaag catacagctg agcctaagtc 120
cttggacaat gcttccatcc ttgaaaacaa ctcttgatct agtatcttga gtacttaagt 180
caagggtacac agacttgata aataagttta gtataggcac acatccaaaa gtcgaattca 240
tatgttatct agaatcctgg atattttcac catttactag ataatgaaat gctagcatga 300
tatacaatat cactat 316

<210> 35104
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35104

agcttataga ttatataata agagaacaat gacaattaaa gaatcgattc atgtttcctt 60

tgatgagtct aatgttattt ctccaagaaa ggatatttta gatgatattt cagaatcttt 120
 agaacaaatg catattcatg gagaagatta taaaggaaaa ggagaatgaa gcaatgaaga 180
 tactccagta gaagtcaaag caaataatga tcttccaaga gagtggaaag cttcaagaga 240
 tcattccctt gacaacatta ttggtgatat ctcaaaaggg gtaacaacta gacactctct 300
 canagattta tgtaataaca tggcttttgt atctatgatt gaacctanaa atttanatga 360
 agccataata gatgaaaatt ggataatagc tatgcaggaa gactanacca atttgaaaga 420
 aataatgttt 430

<210> 35105
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35105

taagctgaga atgtttgtga natacatgca gtanaataca atttatgtgc atcataattc 60
 taacctgctc cactcacaac aggttttagca tcaatgataa tatttttaag ctcaatacta 120
 agaaaactct gnaagaagaa acttaaaggg gatttgaaac acttcaagca tcataaaatc 180
 aataaataca gaaaaataag tttttaaaat aagaagcata aagctgagcc taagtccttg 240
 gacaatgctt ccataccttga aaacaactct tgatctagta tcttgagtac ttaagtcaag 300
 gtacacagac ttgataaata agtttagtat atgcacacat ccanaagtcg aattcatatg 360
 ttatctanaa atcctggata tntttcacca attcactaga tagatgtaaa tgcatagcat 420
 gatagtaagt atatcactat ttccatgt 448

<210> 35106
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35106

agcttggggc tagagctatc aaatgtccct ttataggata tccacctgga atcaaggggt 60
 acaagttgtg gaggatagaa ccgagttaac caaagtgcac caccatcaaa gatgtaatct 120
 ttgatgaaac tagaatggct atcaaggcta aggatcaaca atagactatc agtcaaggca 180

<212> DNA
<213> Glycine max

<400> 35111

agctttatat cctttgcagt accaaacaca taaaccatag tgtgctgaac tcggtgcata 60
catgaacctt gatagaaaac tagtagataa catcaaactt agtctagatg cattcaacta 120
aagagagtac acaaccagac tattatactg aggaacatca gccttttcat cgccatcatt 180
cttggagagt atttcattta caacaagagg agttgtagcg agatgacaac tctgatacct 240
gaattgtttt taacaaagca taggcataat ttctgtgaga gaaagatacc atcatcaagc 300
tgatccactt ccattcccaa tatatacacc atcacgtcca gaattatcat ttcgaacact 360
tgcagcatgc tcttc 375

<210> 35112
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35112

tgagatatca caggangccg ctacagatgc tactattgct gcgtgattac acacttgagc 60
ccgcttaaag gtaagggatg agtttatcgc aattgctggt aaaataaaca tgtgtgtatg 120
catcttcaga ggattacatc ggggtttctt tttgtatgcc tactgaacta tatttttcct 180
ttacgatcat aaatacaata ttgttgtgtt tgacggacca attgatgtcc tgatgtgaat 240
tggttgataa acctgagagc tcttagtggt gtcatgtttc tgacctactg atttgatgca 300
ttgattctaa tatgattgtg tggaattatt tgacgtgtct actctccatg ctgtgtgaaa 360
cattttgtat aaatatttat atcgagatta tgaaatgatg a 401

<210> 35113
<211> 377
<212> DNA
<213> Glycine max

<400> 35113

ataagatggc cgaaggacta caccgtctag actgggaaaa cctgacgtt acccatctta 60
atcaccttgc aggacatccc cctttggcca gctggcgtaa taccgaagag gcccgcacgc 120

aagctctcga gagattcgaa tgggtcttaac tgttcacacc gatgtccgat tcgggcgcag 120
agtatagaag agacgctcga aattgatcaa cggaagctct cg 162

<210> 35117
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35117

agcttgagct tgggtcaacc ccgtaatcca aggaatggaa attctgatcg ccaatacttc 60
aacaacatct catagggatg aatgactcgg gcatacttta agcttatgca cggaaaatgt 120
aattatgaaa ttgagatgcc cgaagaaaca ccatttccta gtttaaccatg cattangtac 180
catgttcaat tattttgttt ttaagtgaac cggttttatg atcccaacat ggttggtccc 240
taacacatga aactaagaat gtagtgtgaa gtttcacgct tcccccttct ttgtttttgt 300
tttgtagagg aaaacgcaag gatgagcaaa catganaaca aatggtatgc aattntgcag 360
atcanaaagt ttggtgaacg catatgcatg atgatgccat gactcatgca naatggtgag 420
gctggaatat gataacggac 440

<210> 35118
<211> 280
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35118

taagacatct ctctatggac ttaaacaatgc accgatgcaa tggatatggtt tacttanaaa 60
cttccttctt gaacaaaaat ttgagagagg aaaagttgat aaaacacatt tcattaaaaa 120
gatctctcat aacattttac tcatgtaagt ttatatggat gacatcattt ttggttctac 180
taatcgatct ctttgtgaag attttgtaca caagatgcac gaggagtttg aaatgccaat 240
aatggggggg gggattatat tactttcttg gtctctatgt 280

<210> 35119
<211> 419
<212> DNA
<213> Glycine max

[illegible]

<210>	35120
<211>	365
<212>	DNA
<213>	Glycine max

nttaatttca	atgcaaggaa	gcatgactta	tgccatatgaa	tctatatatt	tggttttgaa	60
tgtaaaaggg	catgaatatt	aagacatgtg	tgagagggttc	ttattagaat	ctacatttgg	120
ctgccccatg	aggaatacct	tacacctagg	tagcatggaa	aataccttcc	aacagtatgt	180
atagatgtga	atatangtag	cgcgaaaata	cctttcaacg	gtatgtaaag	atgtgaatat	240
atggcataaa	aataccttgc	aaagtgtgaa	tgaatagcaa	aaaatgcctt	tcacaatatg	300
tatatatttg	gataggtagc	ataaggatcc	tttcaaaaaa	atgtacccat	gtcaaaaaatg	360
gcatg						365

<210>	35121
<211>	446
<212>	DNA
<213>	Glycine max

agcttgaagg caaactggat gcattggtta acttggtaac ccagctggcc ttgaatcaga 60
aatctgtacc tgtcgcaagg gtttgtggtt tgtgctcctc tgctgaccac catacagacc 120
tttgcccttc catgcagaaa cctggagcaa ttgagcagcc tgaagcttat gctgcaaata 180

tttacaatag acctcctcaa cctcagtagc aaaatcaacc acagcagagc aattatgacc 240
 tctccagcaa cagatacaac cctggatgga ggaatcacgc taatctcaga tgggccagcc 300
 ctcagcaaca acaacagcag cctgcttctt ccttccaaaa tgctactggc ccaagcagac 360
 catacattcc tccactaatc caacaacagc aacaacccca gaaacagcca acagttgagg 420
 cccctccaca actttccctc gaagaa 446

<210> 35122
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35122

ctntggagta gaaacctggg accaactcat tntatttcaa aatggaagtc atatctagtc 60
 aaggtctgag agaccatata agtttcctaa cgattttctaa ttatgtgggc cattaagtct 120
 atcatatgct gacaatagcc gagaagccca tgaatctctt cgggggcgga gtaggtgtct 180
 gccatgcct tggccttggc taacaatcgg ggaagttctt gactcccggt caaggaaga 240
 gcaaaccgat ccatccacat ggttgccctct tgggtgtaaag agtcgatcac ccttcctcta 300
 gcctcttttt cgcataatac ttgggcatac tcatccacga ttctatgctc gtgggccgtg 360
 gctagaccgc actcttcttc gtacttggcg atgatagcta acatgttggg ctct 414

<210> 35123
 <211> 303
 <212> DNA
 <213> Glycine max

<400> 35123

agcttgcttg tagagcttct atggaggcta gatctttgag cttcaatgag gtcctttaat 60
 ggtgattttc caccatggag atgcagcgga agacaaagga gaagaggtga gaggaggcgc 120
 catccactat ggaataagcc atggaagaaa gagcttcacc accaagatga gccttggata 180
 agaagcttgg agagggtgct tcaatggagg aaaagaaaga gggagagaaa gagagaggtg 240
 ggaacacgaa attgaacgaa gaaaatggga gagaacgttg agtcgcgtct cataagactc 300
 tca 303

<210> 35124
 <211> 316
 <212> DNA
 <213> Glycine max

 <400> 35124

 tgtgctccaa catcaaagt gcaataccaa agcactcact ttctttgctt ttgtaacaac 60
 aacaatatat gtagaagaat tcttcatcaa agacttgtag atgtcaacct tgtagaatgt 120
 gagtccaact tccttgagac ctaactggta aaccattaac ctttgaaaag aaagttcagc 180
 tatacacacc tctgaagcct taactcttta accaagtctg attgatgtgc tttggttgaa 240
 tcactctctt cttggcataa atgtacttgt atgacgcctc acattgttcc ttagaaaata 300
 aacgatttgc cttatg 316

<210> 35125
 <211> 243
 <212> DNA
 <213> Glycine max

 <400> 35125

 agcttctgtt ttcaatgtcg agtttcacga tatactacgg gacactatcg gacatccgag 60
 taaaaagtta ttgtcatttt aattttctcg gagcttcagt tttcaattac gagcggctcg 120
 atttattacg ggactgaatc agacatccga ggaaaacatt tttgtcgta gaattcgctc 180
 agagcttttg ttttcaatat caagctgctc gttatattgc gagacttaat catgcatctg 240
 agt 243

<210> 35126
 <211> 338
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35126

 tgtagcanat tcaaacagga aataaatttt actcggatgt ctcatatgt cccgtaatat 60
 atcgagatgc ttgaaattga aaacggaagc tcgtagcaaa tgcaaaacac aataactttt 120
 tactcggatg ttcgattgtg tctcgtagta tatcgagacg ctcgttattc aaaacagaac 180
 ctcgatatcaa attcaaacga caataactat ttactcgaat gtttgattgt gtcccatagt 240

atatcgacac gcttgcaatt gaaaacagaa gctcttagaa aattttaacg acaataactt 300
 ttactctga tgtccgattg ggacccgaat atatcgag 338

<210> 35127
 <211> 249
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35127

agcttangga tggaatactt acttggttgg gatgaacaaa agcgcgaaac ggaatcaaaa 60
 aatgcgaaaa aggatgaccc tagggctgca aactcgtaaa ccccggtggg atggcttttg 120
 aaagggggga aaagaagttt ttgaatgcaa aaacgtcccc ctttctgca cttttatatt 180
 ttggtgcaga ggtggctcgc ccaggcgagc tcagctcgcc caagcgagct aacctgcact 240
 ttttttttt 249

<210> 35128
 <211> 214
 <212> DNA
 <213> Glycine max
 <400> 35128

tctatcacgt gtgtgtgtgt gtgtgtgtgt atcatgaggg tgtgtcattc tgtgatgagg 60
 gtgtgtatca tcagcgtgtg tgtgtgtcta tgatgagtgt ctgtgcgtgt tatgaggggtg 120
 tgtgcgtgat gagtgttaagt gtgtgtatca tcagcatgtg tgtgtatgat gagtgtatgt 180
 gtgcgtatca tctagctgtg tgcgtgcctg tctg 214

<210> 35129
 <211> 265
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35129

agcttccttc tatgattaga gaaagtcaaa gatattagta agtgttctga ttggaatata 60
 gtgttacttt acctctctta agagtgaacg attcttgctg actataagag tgtacgagat 120
 tatagagaaa ctggaagcag gatgatcaga gatacgacat cttcttactg accatgcttt 180

aggnaccaag acaaataagag cagtcctatc atctcaacag tgctcgatat ctatggagat 240
cgtataagtc aagaagacta ttttg 265

<210> 35130
<211> 221
<212> DNA
<213> Glycine max

<400> 35130

tgagaattac atgacgagaa caagacttat gttgoggctt gtcacgatat gaggacaaaa 60
gacaagaggt ggccttaata gggatcaaga gagaaataac gaacagacta tgtgacatca 120
aaatgtctct tttttctgtg ctgactgctc aactgagga ctcaagatga atctgggtacc 180
tcttatatgg agagtgactg tgaccacatt ctcatcatgc c 221

<210> 35131
<211> 376
<212> DNA
<213> Glycine max

<400> 35131

agcttatggc tccaaagtac atcttaaact aaattcacia gagacttatt ctaatgattg 60
aaatcggact ttagtgtcat aacaacctat gctattaaaa ttaaaactaa cacttcacia 120
tgcttaaata tgcttaaaaa taaatcatat tgccagccca tagctggcac attgatattc 180
cacttgatc atacgtatcc tggactcttc tttctcactt ttgagatgaa ctagtacgtg 240
ttgatcaatt tttcaaacat ctctttggct atcttagctc ttaccttggt gttaagcccc 300
ttatccaaac tgggttcttc ctctaccaag ctctacattt ttcctcgaa cgctatgaca 360
ccctacattc tattat 376

<210> 35132
<211> 367
<212> DNA
<213> Glycine max

<400> 35132

tgatgactac cctcttatgt gaacaatacg ggtatttacg atcttggtac atgaatatgg 60
cacagccatt agaaataacg ctaggttagt agccaatgga tacaatcatg aagaggggat 120

agattatgag gaaacatatg ctctgttgc tagattataa gccataacag agatattagc 180
 cggtgcatcc ataatggaat ctaaacttta tcaaacggat ggaaagaggg cctttgtgag 240
 acgcttatcc cagaggacgt atatgtctat caacccctg gctttgaaaa ctcatgatg 300
 cctaatacatg tctttatatt gaaaagggtt ttatatgga tacaacaagc ctctagggct 360
 tggtatg 367

<210> 35133
 <211> 333
 <212> DNA
 <213> Glycine max
 <400> 35133

agctttgatg atgcagtgag aggagttgat ggtgtcttcc atatggcgct cctgtgctt 60
 attccttatg atgagaacgt tcaggatatc tgccctttat ccccaactgt tagtattttt 120
 gtctttatct caggggcttc cttacaagaa aataaggagg gtaaataagag aaaaaatgga 180
 cactcaaaag tcaaaacttg ttttctttta cttgatttga ctctgtagct catttacaag 240
 tgtactacct acgttaaatg ttatattacg gcatgatacc attgaaacgt gactcgtata 300
 agtattaagt acttgaatcc tgatgaatca act 333

<210> 35134
 <211> 291
 <212> DNA
 <213> Glycine max
 <400> 35134

tattgtatgc atgcttgtgg ttgatcacc cattggtgtg tgctattagg aacttgatag 60
 agtaggacta gatagctgta gtgctagaca tagtgtgcag ggttctagtt ttcattatcc 120
 tgtgcttata atgttggtta aattaagcta agttcaacaa gaaacatttg cggatgaagc 180
 ttaattttaa ttagtccaaa cgcacgagac atcgggtgtg gtattttggc ctcatgatg 240
 aacacatgaa ttatgtcaaa tagaaacaaa ccctaattgc atcaagtatc t 291

<210> 35135
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35135

agcttgcaca ttgctgcttg atagaagaag agcaagacgg taaatcatgg tactttgaca 60
 tcaagcggta cgtagagtat aaggagtatc cacagggggc ttctgacat gacaagagga 120
 cattgtgaag gttggcaact agtttctttt taagcggagg tatcctatac aaatgaaatc 180
 atgatatggt tttgctctga tgtgtagaca ctaaagaagc cgagcgaatg ctcatggagg 240
 tacatgaagg gtcctttgng atgcatgcta atgtgcatgt catggctagg atgattctaa 300
 gggcagacta tcaactggctc accatggaaa atgactgttg catccatgtg aggaaatgcc 360
 acaagtgcc a ggcattcgcg aacaatgtga atgctccgcc tatgcctttg aacat 415

<210> 35136
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35136

tcttagtttc acatgatgca gatgggttng tagctacctc atgcactcct ctaatgacta 60
 tggcatcatt tctggcgcta aactgctgcy agttggaagc catcttctca attaaattcc 120
 tggcttcagt aggagtcatg tttccaaggg ctccaccact ggcagcatct atcactcttc 180
 tctccatatt actgagtcc tcatataaaat attggagaag aagctgttct gaaatctgat 240
 ggtgggggca actggcacat agtttcttaa atctctccca gtactcatac aggctctctc 300
 cactgagttg tctaatacct gagatatact tctgatggg tgtggctcctg gaaacaagga 360
 taaatctttc taagaatact ctc 383

<210> 35137
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 35137

agcttctcct ataacacagt atcatcagca tattgaagaa cattcacagg aactttgttc 60
 ttccccacca aaaaacttct gaacctattc tgggaaactg cttctctcat caacctgtc 120
 aatccctcag ccactaaatc aaagaggaga ggtgccaaagg ggtcaccttg tctcaatcct 180

ctttgaggat taaattctga agttgggctg ccattaacaa gaacagaaat ggaagccgaa 240
 ttaaggcagg cccttatcca tctaattccat ctctcatgga accccattct cttcagcata 300
 taaatgagaa attgccaaga tacagaatca tatgccttct cacagtccac cttaaaaacc 360
 atacaagact tctcggatct tctagcctgc tcaatcactt cattagccac cagaactcca 420
 tgaagcaatt gtctaccctg 440

<210> 35138
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35138

ntcataagtg aaatcaggtg cagccatctc cctaagagtc ctctcacgag gtggagggttg 60
 agccatgttc tcagcaaaat cagaatattc agaatcgccc tcaacagaat gtcacaaatg 120
 cacagaatga ctaggatgca cactatgcct aactaatcta tgaaagggttc tatctatttc 180
 aggatcaaag ggttgtaaatt cacctggatt gcccctagtc atgcactata tgcagcaaat 240
 aatgtgtttc taaacaagca cctaacaagg ggtaaaacta taactatact caaatgatat 300
 caaaatgagc tgaaattctg tgaggaaaac cctaaaatca tgaaaagaga gcacacaaat 360
 tttcaaataa aaattcagag tctaactatg aaaactacct aagagaagtt tagaagaata 420
 ggacaataat acttg 435

<210> 35139
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35139

agcttgtatg attatggngt acccatcaca tgttggtacta ggtggcggtc gggcgatggt 60
 gcacaacaag ttttccacat ccacaaatcg cgcataaacc cgccatcccc tgttgccac 120
 ctccaactga gtcctgttac tcccacgtag cccatattct catttctctc aacaccgggt 180
 ccccatcaat cctctcaagc ttcccccaaca tccaagtaaa acaacattca aacagcacia 240
 actatcacag ccaagaaaac agagcaaagg cagaaaactc tgccaaaaca ccaacaaaaa 300

tcacagcttt tctcacttan agaccccagt aacaattcct tcgttccaat ttgttaaccg 360
 ttggatcgac tccaaaattn tactggaagt ctctagtaca taaccctaca ttntgaccgt 420
 tgngatctac tagc 434

<210> 35140
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 35140
 tcaccaccaa cagagtgtct tggataagaa tcttacggag gaagcttcaa tggaggaaga 60
 gaatgagaga gagagagaga gagaaagtgg cgtgggaatg aaggaaagat agggagagaa 120
 gttgaacttt gaagtttgtc tcacgagact ctctttcctc aaagttacca caagtgttac 180
 acatgcttct atttatagcc tatgtagctt ccttgagaag ctagecgttac acccctctaa 240
 tagctaagct cacctccatg ccaaaaataca tgaaggaaga gagctttctt gagaagcttc 300
 cttgcgagagc aagtgttaca cctcttcaat agttaagctc acccccatgg gaacacacac 360
 ccctccaata gctaagctcc ccccgcccc agatacatga taatacaaaa caagttccta 420
 ctacaaagac tactca 436

<210> 35141
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35141

agcttgataa tggaagacac atgaacagct ctaggcaata acattcatgg ggctccgaan 60
 aatggtgaga atggaggatt gccttgaggg tctcactta ngcaatcatg aaacacaact 120
 ccaaactcga aagtggagga cacatgacca gccctaagca ataacattca tgtgggtccg 180
 aaaaagggtg agaatggagg attgccttga gggctctcac ttangcaatc atggaacaca 240
 gctccaaact cgaaaatgga ggacacgtga acaaccctaa gcaatagcat tcatgtggct 300
 ccgaanaagg gtgagaatgg aggattgcct tgagggtcct cacttangca atcatganac 360
 acaactccaa actcgaaaat ggaggacaca tgaacagccc taagcaataa cattcat 417

<210> 35142
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 35142

tatccttatg gcaactcccg ccttatgacg actattccgg gctagacgat gaggaaggag 60
 ataccatc cggccccctg cttcacctca aagatctgtg cccacatgaa ctaccccaac 120
 cgaacatagt gcgccatata ccgacctcac ccacaccgt aaaagaatct gttcccttcg 180
 cggaagataa gggaaagatt gaagcgctcg aagagaggtt aagagcagtc gagggccttg 240
 gcaattaccc attctcgtat ttagcggatt tatgtctcgt gcccaatata gtcattcctc 300
 ccaagttcaa agtaccagac attgataagt acaaaggga 339

<210> 35143
 <211> 223
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35143

agcttctaca ggatcttccg cgtgatccaa cggaagaagg ttntgtagga tcttccgcgc 60
 gatctancgg aatgatgatg tttttcgtgg ataccgatga tgatcctgta ctatgctatc 120
 ccttaggcac tatattgcta atgtggcata acatgcggat gcctatactc tatgggttacg 180
 ttgattgtag tgactcgctt tgtccgctat atacatattc atc 223

<210> 35144
 <211> 339
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35144

gtttacaaag cgtcgatgcc aagtgtatac tgtttttatt tcatgntaca attgtacgca 60
 gcttgtgtct ccttcataga gagggcatgc acgatggcct ttaacactgc attcattcaa 120
 attcctatat gctagaaagt cattaatggt gcccaataac attgcacaca acttgaatga 180
 tcaatttggg tagccatcaa acacaacaat gcactcatac tacaactttg tcaagtactt 240
 aatcaaggga ccgagataaa caccaatata atatcctcgg ctgtcttgcg gctgatagca 300

tcattgacaa catcatgtat atttgttgca tgcgcaacc

339

<210> 35145
<211> 352
<212> DNA
<213> Glycine max

<400> 35145

agcttgctcg agcatgtatc aacttatacc aatgtgtatg agttacggac aaagcttgaa 60
tctttgattc aaaagaagac gccaaggaat aaagctcatc ttgtgagacg cttgggtcaag 120
gtggagtaca tgggtgggta gaacatgatt gaacatctta aaaccttcaa atgtattggt 180
aatcaattaa agaagataga tatgaatata gattatgaac taaaaactct tctactcctc 240
aattctctgc ctgagagtta ggacacattg gttgtcactc tcaacaactc taaactagat 300
ggaaagctta gcatggataa tgtcacagat agtttgctaa atgaagagtc ta 352

<210> 35146
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35146

tgttttagtgc aggtgctgaa tctcgcgctt aacacctgct acttacttag tgcgtgctgc 60
gcatttagcg atggcaacga tgtgcgcact aaacacgtgt tgatcgctga gcgcgctgct 120
aggttgggct ggatgatgta atcttaattc ttctttgtaa ttagctgtac taaatgctct 180
tacttcctaa aatagatata tatgcaacca gtatttataaa aaatatcaat acttaacaat 240
gtacacacaaa taactactat ataattatct ttagagataa ttntattgta ttattctatt 300
atccacagca taattattta gtagatatca catcggtggc ttgagattat tgcatttaca 360
ttagttacct tgagataaaa tatactcatg ttaattacat tgatttagag atcccaacaa 420
gtntgggaaa agcagaaaat tatggatcct aatata 456

<210> 35147
<211> 189
<212> DNA
<213> Glycine max

<400> 35147
 agcttaagaa ttttaaccaag ccgaggtatc ctatggtaac atcccacttt ttttaccatt 60
 tcaatgatct aagaacacta cccaatcaca taacaaaaca ataacatcgt ctatcacacg 120
 cacatagaaa attgggattt acaacaaatg cacccatgga tcaaatccat ttgtttcccc 180
 tccccccct 189

<210> 35148
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35148

gtcactttnt aggtactcga tgcagcaatt gagttcatc actttacctt ctctgntaga 60
 tgcgtgggtt ctctttccag tgaacgtag ccaagaagta gcccaaaaat tccattagtt 120
 atattgggtg gaaatgtttt gtagactgtg gatagaaatt aaatgctttg aatatcatat 180
 gaatgtagcg ctatgttcta tgaaggccac cttttggatt tcctcccact tcattctctac 240
 gtgcttggtg gtgttgatat tcaagaaact aagaaagttc ttgaatttgg ggaatcaaatt 300
 aatattaaaa attagaggtt gttgtagaaa ttaggactga tttattaaaa caaaattagt 360
 ggcccttaca aaaatcatat ttccatgtgc aacaatatc aatattgtag cctcttatct 420
 gtaggtacac tgtaatggat atccaactaa tatat 455

<210> 35149
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 35149
 agcttgcag gattaatagc aacaaatata gagtaattgt tgaagaggat aaattgatcg 60
 taataataaa acctcaaaga gagttgtgct tgatcctcaa gagaaaacaa cgttggatac 120
 ttagccttcc attaatcagt agaaaacgaa attgcagatt gaagcagaaa acgaaatttt 180
 attgctaggt gaatagtaaa aactggaatt gcaaaaccta aaattattct ttctccccc 240
 aacgaaaaga gagctctaaa actaaaacct tgggtgctgtt atatagggtc tcagccccc 300
 agcttacaaa tctattttta gtccaagccc ataaataaaa taaaatctgg gcaagataag 360

ataagatttg ataaaataca atctagatga agtagaatct agataagata agataagata 420
 aaatctagat gacataatat ctagatgag 449

<210> 35150
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 35150

agcccacccat gtttacatcg tagaactggtg gttgtgtgct tactatcatt gtcattcattg 60
 atctctccgt cattgagagt gccacattct gctgccaaagt atctccacct ttgggcgtat 120
 tcttacgaaa gattcttgcc ccctttttgc acatgttctg taggtgcatc ctatccgacc 180
 atattatact gacactgcct aacgaaagcc accactaagt acttccaaga atggacttcc 240
 gcaaagaacc aggtacagta ccaggatata gctgcccgaa taagactttc ttggaaggaa 300
 tgtatcagca cttctcatc ttttgcgtag gcgcccatct tccgataata ca 352

<210> 35151
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35151

agcttgtaga atgggtatatac atgatatatg tcagggttg gtttggttca aggataaaag 60
 ggatgccccca cattatttcc atgacacaaa tgcaaaaaat gatgatttgg aaattttatg 120
 caaaactggt catgcatgca cctatgcaga cggtcaagtg tcaaattttt atgggtcatgt 180
 gatgctaggg ctgangattc atttctcta ttttaaatca acccaatgtt tccaaaatat 240
 gttcttttat caatttgtgc atttctcaa gtccatttgc agcgtccggn gaaattttca 300
 cagcattcac ctttcagggt tagacacgtc ttttcttcan aaatcgatta tgatcaatga 360
 aattntntca nagaaagggt ggaaatcatc tcttttcaca agcatgtcgg ctnttagcta 420
 gacaacttat tttctctt 438

<210> 35152
 <211> 418
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35152

ntagtcaaac anaataatcc anaaatgtca atgaattggg tcttgattta gcataacaag 60
actttctctg attggtttta agatacaatc tttgctgatg aaaatgcttc agaaacatta 120
agaaagctag cagattggcc taaaaaatg ttataacttg gcaaggatac gacataaaca 180
actattcctt ttacacaaaa gcacaagacg acaaaagtac aatgcaaac agcagggtca 240
ccgtaagggc taaatctcaa cattntgcaa gtatgcatga tgacaatccc tgtgcagctt 300
ccatccctta ctttgggttc attgatgaaa tttgggagct taactatgtc aaatttactg 360
tatgtgtttt caaatgtaaa tgggttgata gcaacaccgg tgtgcagacc gatgatgt 418

<210> 35153

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35153

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tatctagtca aggtctgaga gaccatacaa gtttctaact gatttctaata tatgcggggc 120
attaagtcta tcatatgctg acaatagccg agaagcccat gaatctcttc gggggcggag 180
taggtgtctg ccacgcctt ggccctgggt aacaatcggg gaagttcttg actcccgttc 240
aaggtaagag caaacgatc catccacatg gttgcctctt ggtgtaaaga gtcgatcacc 300
cttctctag cctctntttc cgcataact tngcataact catccgcgat tctatgctcg 360
tgggccgtgg ctagacccaa ctcttcttgg acttggcgat gatagctaac atgttggttt 420
ctgtctcgca ta 432

<210> 35154

<211> 330

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35154

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atgctcctga atcggacatc cgtgtgaaaa gttatgacca tttgaatttc tcaagagctt 120
 ccgttgacaca atatcgagcc tctcgtcata tgatgcgccc gaatcggaca tctgtgagag 180
 aagttatgac cattagaatt tgacgagaac tcacgatgag caatatcaag cgttactata 240
 tgtgaggcgc ctaaattgga cattcgagtt aaatgttatg accattcgac tgtctcaaga 300
 gcttgcgctg atcaattttg agcgtgtcta 330

<210> 35155
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 35155
 atcttatact tgatgatgat gatcccatga ggaatgtgct ctctcggaga ctaaagctca 60
 ggatcattct aggactcgca ggaaggaagc tcaatttgcg acacacgggg tcaatgcgct 120
 atacactagt ggctccaacg tgattgaaca tctgtacaga ctaacaagga ttggagacta 180
 tggcttgaag aggatattgc tatagcttaa gcaactgcgta ctgttctact cctcaattct 240
 ctgcctgaga gtcacgacac attggttggc actctccaca actctaattct acatggaaag 300
 cttagcatgg ataatggcac agatagttt 329

<210> 35156
 <211> 187
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35156
 tatactatga aagtgaagtc gataactctt aatgttggag acttcttttg aagttatcct 60
 gcccatggat agtaacgacg gagcttttggg caaatgggcc ccanattggg aaggaccggt 120
 taaagtaatt cagatctatt ctaatgggtgc ttatgaatta gaggaattaa cccctcacia 180
 acgtact 187

<210> 35157
 <211> 405
 <212> DNA
 <213> Glycine max

SECRET

<210>	35158
<211>	417
<212>	DNA
<213>	Glycine max

tgtggattnt	agggattgag	ggcagttatg	gtttgtgttt	atgtttgagt	ttgtgtttga	60
ggcttgtggt	ttggaagaaa	aactagaaga	caaagttttg	ggtttaggtg	tatgtttctc	120
ttcatagagt	ttggccaacg	aaatttttct	gaggagtcac	gtangtgatt	gtgcaatgac	180
atcccttctg	atatcaggtt	ttaatcctcc	cacaaagcaa	tccaatagag	cttcttgtgt	240
aattccttgt	actcgattag	ctaaagccgc	gaactgcacg	taatatgact	gaactgaacc	300
aatttttagcg	agtttaaaca	actgagatct	atgacattca	tacggtgatg	ggccanattc	360
tgtctctaata	gtctcggtat	aagcaatcca	tgttctgaat	gatatttcac	gagtcac	417

<210>	35159
<211>	443
<212>	DNA
<213>	Glycine max

agcttgatatg attatgggggt acccatcaca tgtggtacta ggtggcggtc gggcgatggt 60
gcacaacaag ttttccacat ccacaatgcg cgcataaacc caccatcccc tgttgcccac 120
ctccaactga gctcacgtac tcccacgtag cccatatact cgtttctctc aacaccgggt 180

ccccatcaat cctcccaagc ttccccaaca tcaaagtaat acaacattca cacagcacia 240
 gctatcacag ccaagcaaaa cagggaag gcagaaaact ctgctcataa caccaacca 300
 aatcacagct tttctcactt acagaccca gtaacaattc cttcgatcca attcgntaac 360
 cgttggatcg aatcccaaaa tttactggaa gtctctagt cataagccta cattntgacc 420
 gtngngatct actagcatac atc 443

<210> 35160
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35160

ntacagcaga ttntagtaat gaccactaa cctagaatta atataactta atgccattaa 60
 cctaggaat taaaaaaac ttaatggctg agtgtaactg aaattgtggc aacaaaaagt 120
 caccaccaac agccaacaag tcagccacca tttggtctcc caaaaggctg atgcctaggt 180
 tgccaattgg gcccttatta caacttgaac taaacctaac taaagccctt ttagttgatt 240
 aaccacaac atatttttgg tcagccaact ttacaaggat tgggccatta tttagacaaa 300
 ctaaatactc taaaattgag acaaagtggg ggcatttagt cctctccat ttgggccatg 360
 atacaactca caaccttga cttttctct tgaa 394

<210> 35161
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 35161

agctttcact ctggaagtct gggtcaggcg cataatatat cgagacgctc gaaattgaac 60
 aacgaatgct ctcaagaaat tcaaatgggc aaaacttgct acacggaggt ctgattcagg 120
 cgcattatat atcgagacgc ttgaaattga acaacgaatg ctctcgagaa attcaaatgg 180
 tcataacttg tcacacggag gtccgattca tgcgcataat atatcgagac gctcgaaatt 240
 gaacaacgaa tgttgctgag aaattcatat ggtcataact agtcacacgg atgtccgatt 300
 catgcgcata atatcttag acgctcgaaa ttgatacag aatgctctcg agatattcaa 360

atggtcataa ctttgtcca

379

<210> 35162
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35162

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tctcgagagc attcgttggt caattntgag cgtctcgata tattatgcac cagaatcgga 120
cttccgtgtg actagttatg accatttgaa tttctcgaga gcattcgttg ttcaatttcg 180
agcgtctgga tatattatgc gcctgaatca gacctccgtg tgacaagtta tgaccatttg 240
aatctctcga gagctttcgg tgttcaattt atagcgtctc gatatgtgat gcgcccgaac 300
cgtacttccg ttgacaagtg atgaccattt gaatttctc 339

<210> 35163
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35163

agcttgaatg tgtgtaacc accatttttc catagaaggg ttgtgggttag gggcgaaatt 60
gaggcccctc caaagtgtt tgcaagggtg taccaccaac tgcttgccct tcagtggcat 120
atccgaggca aggctcgaag tcggctagac tgtggtgggg aatttcatgt gtctcccca 180
tggttgaga gacatgtaca tgatgaggtt gtcggctctc aatgagtatg ggagcagagt 240
tattgacatc ctcatggga gtgtacgcca cattgngtgg tgtatagttg ggaggcaagc 300
catatggcgg gaagggtgtc tcgttttgaa tntgcacatc atggggctgt ccgtacttcc 360
taaattcttg cctaccatat ctg 383

<210> 35164
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35164

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 gtatgtatcac atgattttga tgatgccaaa gaagaatcaa actaagttgc ttcaaaggat 120
 aagcatggct ttaagattaa tacaagattg attcaacaaa catagccttg cttcaagatt 180
 aactcaagat caagcctggc cttaaaacaa agtgctttca agacatgcaa ggctctggta 240
 atcgattacc aagcagtgt atcgattacc agaagacagg gttgagaaat agctgttgaa 300
 aagggttttg aatttgaatt ttcaacatgt aatcgattac catatgtttg taatcgatta 360
 ccagtggaga gttttcaaaa aagtcatgac acttcacatt ataactgtgt aatcgattac 420
 acaaacattg taatcaatta ccagtggaga 450

<210> 35165
 <211> 358
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35165

agcttatact ctatggtgga gacccaagaa tgggtntttt ttcttcatct tttggttctt 60
 gacagttatc attgcttggt acatttgga atgattatat ttctctcttt tcttcttacc 120
 taaaacacag tgaaaagaaa gtgatacttt tgtgattatt agtgaaagta aaatatggaa 180
 atagaaaatt ttcttcacag caaatagacc tttaattttt tattttaaga aaagatgttg 240
 gcaccttcaa gtggaaaattt tctaataatat aagactattt gccaaagtaac atcagctaca 300
 aagaagacag acttttactt tctggtagct ctgaatttgg ttacttctta ttcttctc 358

<210> 35166
 <211> 346
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35166

tgccctcanag aggtccagga aggacaaggc ggccgaagga actagtttctg ctccagagta 60
 cgacagtcac cgcttttagga gcgttggtaca ccagcagcgc ttcgaggcca tcaagggatg 120
 gtcgtttctc cgggagcgac gcgtccagct catggacgat gagtatactg atttccagga 180
 ggaaataggg cgccggcggt gggcatcact ggttactccc atggccaagt tcgatccaga 240

aatagtcctt gagttttatg cccatgggtg gccaacagtg gagggcgtgc gtgacatgag 300
atcctgtgta aggggtcagt ggatcccggt tgatgccgac gctatc 346

<210> 35167
<211> 394
<212> DNA
<213> Glycine max

<400> 35167

atcttctaaa ctctatacaa gaatgaagct ctgataccac ttgttagaca attggcctca 60
gatatcttaa gaaggggggt tgaattaaga tattgcaaac tattttccca attaaaattc 120
tatttcaatt tcaatgcaag ttacaaattc ccttaaaaat gaactcttaa ataatgattc 180
acatcgaaca atctgaatat aaatataaag caataataaa taaaagagtt taagggaaga 240
gaaagtgcaa actcggattt atattgggtc ggccacaccc ttgtgcctac gtccagtccc 300
caagcaaccc gcttgagaat tccactatct tgtagaagct tttacaagtt ctgaacacac 360
atagacagtt cttcctttga gttcatactt cttt 394

<210> 35168
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35168

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tcaactgtaa caatgcttga tgatgataat gcccaagcct tttgtgccag atttctgtgt 120
gattctctat gagagagaaa acaacttgct cctccttcaa tggattttaga gcaaaaacttt 180
ttcctttcat tnttaccttg aagatttctt gaccagctac atctttaatt aagcaatatt 240
tgtcttccaa tacaacttta aatcctcggt caatcaattg gccgacactt aataagattt 300
gggtcaatttt cacaatgaat aggacatcag caatacatct tgtgcctgca gaacttgcca 360
ttgcaactgt cccctttcct ttgactagga tatcatcacc attacaaatt ctgactt 417

<210> 35169
<211> 455
<212> DNA

<213> Glycine max

<400> 35169

agcttctagt cgtccataga cctcctctgt ggttcggtct agcaaacgtt gcatctgtgc 60
attcatcgca tccactaaca gacgttgagc gccgtccaac tgatgggtact cgtcaccacc 120
accacctgct ccagccataa ttcaacagga aaaaaaaaaat gtgcaataaa aattattaag 180
gtttcaggac ctcaaacac tctactcacg tctcttagat ggtagtacac tcgtgtttaa 240
tgctctcaat aggcttttgt gtaatgtatt ccctcttgcc ttttaccact cgtgtttcct 300
cttaagttcc tggatggacc aaattagaca cacaaggtaa tataaaatag aaggaaagac 360
aatataatga tcacaaacag atttgatttg cgataacaac ttggacttga tttggataat 420
aatatattag atttgattc ggataacagg tgagc 455

<210> 35170

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35170

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gctcacctcc ttgagatgag aagctagagc ttagctacac accccctata atagctaagc 120
tcacccccat gacaaanaaa gatgaaaata caaaaaaaaaa aaagtcctta ctacaaagac 180
tactcaaaat gccccgaaat acaaggctaa aaccctatac tactagaatg gccaaaatac 240
aaggcccaaa cgaaggaaaa acctattcta atatttataa agataagcgg gtcatactt 300
agcccttggg ctcaaaatat accctaaggc tcatgagaac cctagggcct tcccttggat 360
ctctagccca atctacttgg agtcttctac ccaatgccct tgcgggatag gatggcatca 420
ataactttca catgg 435

<210> 35171

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35171

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 taatgatgaa caagctcttt tagagtcagc tctgactaaa cttgttggag ctgcaaaaat 120
 ctacaaccta aggatagaga acttagtggt tcaacttcaa tttttatctt caaacttatc 180
 tctagtgtct cttgttatca atccttttgc gtcttatatg tctttaggag aaggcttacc 240
 agatgtaggc tttattttgg atgtatntaa gttttttcct atacctatat taccaagggtg 300
 aaactccaaa tctgactgga gaacaatacc aatagtactt atgggatgtg tctaagtttt 360
 ttccataacc tatatttctt tgaaggagtg gcactgatta ctttcttaat tttgctttac 420
 aggtagaaac aactttgg 438

<210> 35172
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35172

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 ggctcttcat tccaagaccc ttgtagacat tcctttctct gagactctaa gagtggattc 120
 gggtcattgag catcctttat tccaagaccc ttgtagacat gcctttctca ctctgctttt 180
 ctttcctttt tcatgtaata tggctaagta cgattaccaa tccatcaaaa gaaaaaaaaag 240
 ttgtcaatgt tgaagtggca gaagattgtg ctctctctcc tcccatcaac actgagtccg 300
 acgagaggaa ggatcttagt ttttcttctc aagatgttac aaggaagaag caaagagtgg 360
 ctactccatc atcgattatc gctcccttct ccatcgagag ccactcaatg ttcctttcta 420
 tgaaggaggg tgagtattct ca 442

<210> 35173
 <211> 441
 <212> DNA
 <213> Glycine max
 <400> 35173

agcttcatgc taagtgggtt tttctgtgaa ttgacttacc agtcacgtta taactgagct 60
 gatgatgaat tcacaatctt ctaaaagcct gattgatctg aaaaataata tcataacttt 120
 taaattttat gaaagtgcaa agctaattgg gcgagtgtca aagtttgatc tcattaagaa 180

atggatttct agaagacacg ccacatcaca tttgtatcgt attaaacaat taggtccgaa 240
 agaataatgg ttcaatttaa atactctcaa gtgtccccga acaatatcaa aacgttgatc 300
 ctaatctatg ttgaaaagac acccaaaaaa gaacaaatta cacatctaca aaagaagatt 360
 atgttaaaca caagatatca catatgatcc aatctttcgc cctttagttt tgtataattt 420
 cgtttaagtg cgcacacatg c 441

<210> 35174
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35174

tgtatttata aaataactaga atttctgtgt acattgaaag actttctaag ttntgtgcaa 60
 ctaacaccaa ataaaaanaag attaccgcta ttacactat cttttcttct tcttgaagtt 120
 atactgctat atggagacca tgggtccattg atgatctaga gagtgtcttg tatgtgtggt 180
 atacatgtgg atgaggatgt tcctttactg tggttcacia agtgacttct agcgccactt 240
 aaccaaagtg tgtgagtgtc tctcctcaa taataccgaa acattgtgta tgatagcaca 300
 cattatataa aaaaagttct taaaaaagggt ttgtcaccat gatttggatc acatcaagat 360
 tctttaactg tctgtgtttg taattggaac tgcacgatc acatttgtcc atgaattgtc 420
 gggatatcaa taaatgagat gatatcacia ca 452

<210> 35175
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 35175

tagctgatgg caatcagtaa tactgagcat cttctaggac gtgttctcac atagccccgt 60
 aggcaattcc accatatctt tgcattagtc aatactcata tcttctacia ttggaagagc 120
 atctgatatt agcacgttaa cgttttcaaa agcctgtctt gtattacaaa cgtgaacgta 180
 tgatttttta agattcttct tcatgactac gggaggatcc gagatccgct ctaatctcat 240
 tcttcttacg ctggatcatg agatcacoga ctcaatatcc ttcatttcat aacgatggaa 300

[illegible]

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<223>      unsure at all n locations
<400>      35176
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cgntntgttt actttttata cccccctggt gacatgctta agccattnta cttaagtcac	120
ttctcgctta acttagaaat aaaataaatt tccaccgaac gtttgaattg tattatccat	180
taacttcggt taaaataaat tccggccggt cggtcgtgcc gtaaccacgt tggaaatcaa	240
aaagaggtaa aaataatata ataatacaaa agacatcttt tagtaaaaata aagcggaaaa	300
tcaatcggac gttttctctt tgggatttct cattcttaat cgaattgggt aataactaaa	360
gtgaaactaa aggctaaaat caattcgctt agtcaagctc gtccacaaaa ataggctttt	420
tgaagtttgt catctcaatt tctcactaag t	451

<400> 35177

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tgaggaagga	tctcactaca	ctatcccaga	catggagtgt	gtgatcatac	tccaacctca	120
ccaccacttc	tcacatgtcc	gatctaaata	tggacagggc	gaggttagtc	tatgggctag	180
tcataaagat	ggacatggac	ttgggctcgc	tcatatcagg	ccagatctga	cagatggccc	240
agaccaactc	ctcgcagctc	ggcttcccat	ctctcatcac	cgccttatgc	gtcgcccaag	300
gagtatctt	agactgcctc	acattcgagt	cctagagccc	tgccattaaa	ttggcataca	360
tacagaagaa	ttgcttgaac	atggatgata	ccacaatcac	ttttccaggg	acccgtaagg	420
catgggctag	agtatctgag	gcctat				446

14650

<212> DNA
<213> Glycine max

<400> 35178

tggagcctca atcacactat gtgcctgtga ggggcatttc tctttccaca tacattattt 60
aacaaatccc aatggtgatg acgcgcataa atgatccccg agcccgatgt tcaaaagtca 120
agatgtacca cgactagatg ggcatacat accaaatcat actattacta agacacgttt 180
ggatggatgc aggaaaaata tactgtctct cgagatgaag aacggaagcc gaactcaata 240
ggaagagaga acataccgac gtatcatgag cgtaacaact gacctatcat atct 294

<210> 35179
<211> 227
<212> DNA
<213> Glycine max

<400> 35179

ctacttcatg cactcatcta acgacaatag catcacttct ggcactaaat tgccgggagt 60
tggaagccat cttctcaatt aaatttctgg cttcagcaag ggtcatgtgt tcaagggctc 120
caccactggt aacatctatc atacttctct ccatgttgct gaggccttca taaaaatatt 180
ggacgagaag ctgctcagat atctggtggt gagggaaact agcacat 227

<210> 35180
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35180

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gatgatgcca aacttgaatt gccatttgag tgcacttga gagtcttaaa ggtaaaggct 120
tttcttagac aaacctgaaa gtttcttaac actaagagaa gcatcaattc atatcatcat 180
catcattaag tagagttata tatgaatgta tattctaact caatgctaata gcaatttctt 240
tttttttttt ctttatcccc ctacataatg ctaatgcaat acactatgct aatgcaatgc 300
actatgctaa tgcaattttt ctcccccttt tggcacaaca aggccaaaaa gttattacta 360
ttcatagaat ataaacaaac aagcatataa tgcgaaaagg gaaaatatca tggcctttta 420

ttcatataag agccattaca acttagacat

450

<210> 35181
<211> 325
<212> DNA
<213> Glycine max

<400> 35181

atctgaggcc aactataagt ggtctttcgg ctagcacagt cggagcaccg ttcaaccact 60
tggagttatg gaagatctac tcgccaaagt taatgggtcc gttttccttg aacattttta 120
cattttggat atggaagatg attcatctag atatggttct atattgatcc taaggagacc 180
attcctcatg acagcccaga ccaaaattga tgtgcatata cggacacttt ccatgtagtt 240
tggtgatgat gctgtgcagc tcaacatctt tgatgccatg aagcatccct cacaagacca 300
ctcactcttt cttcttggat gttat 325

<210> 35182
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35182

tctttgagan aacttccttg agaagctaga gcttagctac tcttaccct ctcataacta 60
agctcacctc cttgagaagc ttccttaaga agattcctaa agaagctaga gcttagctac 120
acatacctct ctaatagcta agctcacctc cttgagatga gaagctagag cttagctaca 180
cacccctat aatagccaag ctcaccccca tgacaaaaaa catgaaaata caaaaaaaaa 240
gtccttacta caaagactac tcaaaaggcc ccgaaatata aaggctaaaa ccctatactc 300
ctagaatgac caaaatacaa ggcccaaacy aaggaaaaac ctattctaatt atttaciaaag 360
ataagcgagc tcatacttag cccatgggct cgaaatctac cctaaggctc atgangaacc 420
ctagggcctt ccttggatct ctageccagt c 451

<210> 35183
<211> 431
<212> DNA
<213> Glycine max

<400> 35183

agcttattct gtgattgaat caagaaaaag attttaaaat aacaaaaata tggattaatt 60
 ttcttaacta ataataaaaa tatgcattta ttatgtcata tatgtgagaa gtagttatag 120
 aggtacctga atatcaagaa ttgcttgcca tggaaaagga acaggagcat gtggattggt 180
 taaaagaaag ttgaacaata caaaagtatc catgacaaag taaaatgaga atagagagtc 240
 actgatactt gagatgactc actctatata tagtgagtca tgacatgaat ttcaactatg 300
 catttatctt tcccatatta atgtaaata aagaaactac ttttattgaa ctgtttcatg 360
 aaatttaagg aagtgtgtat cacataaaaa aatggcttta attgaggaac acaatttatt 420
 gactttgaaa a 431

<210> 35184
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35184

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 cttttgagaa agcctgccct agtttggtat gccaaagtagg aaacaatata tctatgtcaa 120
 aattacatgt gacacctaata tgcattgttt gtattgacaa ttatgaatta tgataggaag 180
 atgaagttga actacaggga aatttattaa acacgtacag tatgaacaaa tggagaaatt 240
 gcaatgtaaa tatacaaatt ataaaggaga aagaagaaac aatgggtgaga gaaagaggaa 300
 aataaggtct atgagtttag agaaaccata atgaatgtac tttnttcttt ttgcataaca 360
 tggcatcagt atgaagtatc cactatcgga agcaatgact aatctccgtt atagatcata 420
 agtgacatga tatgggtatt cttctc 446

<210> 35185
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35185

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 ctggagttgc tgcacatgat gtccaacgtt atgtcaagga ataagatcgg gctgcacaat 120

gcacaaggca agataaaatg tctaatagaag aattgaagtt gcaggatcca cgatgtcgga 180
tacaatgtcc tgacatcctg cccgaaaata ctggagttgc tgcacaatgc ataagtcaag 240
ataaagtgtc aatgaagca ttgaagctgc aggatccacg atgtcggata cgatgtcctg 300
acatcttgcc cgaaaatact ggacacataa atctgttata tctttaacag attattgtgc 360
agttagcaag agattagatg atctatcttt aggaacgaat taaaagatca ttanagttcg 420
aatttc 426

<210> 35186
<211> 446
<212> DNA
<213> Glycine max

<400> 35186
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aagaacggtt gagaatcttc gcgtaattac tcacgaaaac gttacggaag cgctcgggtt 120
tggattttct tcacggaat aattttcatc agcaatttcg agagaataag aagtgcctaa 180
aaggttgaac ctttttcttc ttcactcctc cccctattta tagcaaaata ggggaggagc 240
ttgccacca gctcgccag gcgagctcag ctacccagg cgagcaaggt tgcttcctcc 300
agaagcaaca accttctgga ggaagaatct ggaaggccca agtgggcccag attgctatct 360
gtacccccac tttttactaa acgcaccac ttctactttc ttggtaattc tttcttcgta 420
acgttacgaa acttcacgaa tttcgt 446

<210> 35187
<211> 429
<212> DNA
<213> Glycine max

<400> 35187
agctttgacg gctattcctc cttgtttttc ttttgccctc tctgatattc caggcgtgag 60
aagggtcac tgacctcgtt gagcgagtaa gtgaagctct cgctcagtg caaacttgcg 120
ctaagcctgc aaggtgacag atgactctct gagcgagctg atgacgctct ttgcgcatgt 180
ctgcgtgacg aatacccttc cacattcctc ctatctgcta agcaccgtga tgctcactt 240
agcggatgac actcgctaag cacattgagc tcgttttagcg agacatcaac tctattatct 300

<213> Glycine max

<223> unsure at all n locations

<400> 35190

tgccttcttt tatnnttttt atcgcgagga atcttatatg ttaccaaggg atctacaaca 60

ctcacacacc ttgttttagcc aactgagcta aacccttttg atgccttctt ttatatatat 120

atatataact tctttttatct atttctagta tgtatacccc ttttctgaat tgatggaata 180

tctgaatata gagcttttgc aacagtcatt tattgtacaa tatcacaact cactagggta 240

ttttttttcc atttcttctg atatcatgta gtaattctct tcgggcttct cttcaaaatt 300

tggaaagagt ttcacttagt tcaacaggga tgaatacaca tggacatcca aaacgtaatg 360

atgattgtga ttgcactctc tgcttgaagt tactgtatga acctgtcaca accccttgtg 420

gacattc 427

<210> 35191

<211> 444

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35191

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taagtattta ttacctatac ttaacataaa atacttatat cactacaaaa taaccataaa 120

ttgggagagt ttgatataat ttatacaagt tttatacaca aaagttagtc gtgttcaccg 180

actaacacaa cacacatttt ctttgattgc tttttttttt ttacacaact tatttggtat 240

gtgtgtgctg atgctttacc tttttcttta cacccttctt aactccactc ccccaaattt 300

ggggtaagtt tgccttgaac catatgctct cctagaatct aaacaaggta tttggagata 360

attatttaag ttcggcgctt aattntgaca atgtaattca gctcanaaag ggtgcaaagg 420

atacaattat tattcaaggt aagc 444

<210> 35192

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35192

ngcatgcatc tgcattcccta anaatcatgt taactacata gattttctac atctaattggc 60
 caatctttgg aatttgggac gatcgccct ctcaatgagt caatctcttt ctttctcata 120
 aggatggacc cttgggtact agtaccctcg tcttcagagg gctgctcgcc ctgctcttca 180
 aaggactaca cgtcctcgcc atcaaagggc tgcattgcca cgccatcaga ggactacca 240
 tctcaccat cagagggcta cagccctca cttcatagg gttacacgcc ctaccttcc 300
 gaggactaca tgcctcacc ttcagagggc tacacgacct cgcctttaga ggacaacacg 360
 tntcgcctt ctgcttcgta gggctacacg cccatacctt tagaggacta cagctcttcg 420
 ctttcagagg actacacg 438

<210> 35193
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35193

agcttattgt attattgttt accttatatt tgtttgacct atctcaggct acatctccat 60
 tttcaccatg gtcatacact gtttatatga aatgacaaca tgagagtaag gaataatcct 120
 tatattggaa caacagaata ctgcaacaga ttctgaaatc tgttatccat aacagtgcaa 180
 caattttctg aattgtaatc agttgctaag ttattatctt tctagtgcct tacccttcta 240
 gtgctttatc tctaattttc tttatctgta atttgaattc ttgatttgct ttatctgtaa 300
 tttgaattct cagctctata tatgtaactt atatcaacat caatgaaact gagctcttta 360
 ttctattcat tctctctatt ctctatacct cacacgatag ccaactggatt aaagagcana 420
 aactgcgtag ttaaagtgta catgctattc ta 452

<210> 35194
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35194

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 attntccacc atggaatgca gcggaagaca aaggagaaga ggtgagagga ggcgcaatcc 120

attaaggaat aagccatgga agaaggagct tcaccaccaa gatgagcctt ggataagaag 180
 cttggagatg atgcttcaat ggaggaaaag aaagagagaa ggggggagca cgaaattgaa 240
 ggaataaaaag agggagagaa gtggaacttt gaagtgtgtc tcataagact ttcattcatc 300
 aaagttacaa caagtgttac acatgcttct atttatagac taggtagctt ccttgagaag 360
 ctntcttgag aaaacttcct tgagaagctt ctttgagaaa actctcttga gaagctagag 420
 cttagctaca cacacncctc tcataactaa gctcacct 458

<210> 35195
 <211> 591
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35195

cacctacatc actccactan gtatcgggcg tanactcgac cgacatgagg ttgtcgacga 60
 ctcacatcac cagcaccaaa caaacacaat tgaagcggtt gananctgaa accntcctag 120
 caccctggan gcatgcaagc taccaaccag cctcttcttg cgctacttct tggcgacta 180
 ttcccactgc actgacgaaa tatcacggcg aagtgtacgc agccacatca ttgctacat 240
 cgccacacag acacagaaca atcctccccg agtcacacaac ggagaaccac cgaaccgggt 300
 catcactcac caccacatac gcatcccata ctgaagtcca cgccacatca ctcacctgaa 360
 tgcacgcaac cgcaaagcc cgccacacaa catcacaacg atgagactaa gacaaggaag 420
 acgacaatac gatgacgaac gcgactcccc ttggacgcga caaaacacaa cgcaattcat 480
 caatgagaac gctcaccgaa agaccaccac atcgacctac acaaactgcc cactaccctg 540
 acgaattcaa tctactgccc cgataaccat aactcacacc gtactcaacc g 591

<210> 35196
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35196

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 ggcaaaatca caatgaacat gttagattgc taccttttac ttttgtgtat ctctgttgag 120

gatggcatct aacttgattc aaattattat ttgttatggt ctacagggtta nggagatatg 180
 cggttgagtc atacttgga caaattttat cacatgggtt cttccatgct gaccctgtga 240
 gtttgtactt ttagaatcaa tatcagaaat ctctctatat attatgttac attatatatg 300
 gattagctat ctggtaaatt gtatagtaaa gccaaaatgt taactgtctt tgaacttgct 360
 cttatgttgc aacgctagca tctattgtct gagcaatgag atgtacgcta cttgtgtttt 420
 acaattatta ttcttttgct ag 442

<210> 35197
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 35197

tcggaagaaa gtgatgaggt acaagcccta aaggcagagc ttgtttgagc ccgagtagtc 60
 gaagagaagt tcaaattcat agccatcaaa gtctgaaaag agtatgatga actaaggagc 120
 gtcaatatgg ccaccgtga agccttgga cgagaaacca agaaggcccg aaaggaagaa 180
 cacgtgccag caaagttttg aagggtttta tagggcagca atagtaagct caagctccga 240
 agaggtgaaa ggaatcatca tgggtcaaag gcatgatctt gaaggacgag ctaaaggctt 300
 accttaggtc gaaaagaaat ttgtcccaac agttaagcga gactgaaggg aatatgtggg 360
 ccgtcatcga tgagtgcaaa gagaagctaa atctagcggc gactcacgag caaaggctag 420
 aggatgagta cgccaagata tcagcag 447

<210> 35198
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 35198

agctcgaaac atatagattg aatcctagct cctcttaagg acttagttat tatatctgtc 60
 aactggatcat tagaattgat gaaccacgagc ataattctct tggacaataa tttctctcga 120
 atgaaatgat aatcaatctc tatgtgttta gtcttttcat gaaagactgg atatgacgca 180
 atgtgaagag ctgcctgatt atcacagtat aacttcattt gcaccacttc acaaaattcc 240
 aactcttggg gaaattgttt aatccacata agttcacatg taaccatagc catagatcga 300

tattcagcct ctgcactaga tcgagcaaca acagtttgtt tcttgctctt ccaagcgata 360
acattccctc caataacaac acaatatcct gaggtaaatt tgctgtctat gggacaacca 420
gcccaatctg catcacaata tct 443

<210> 35199
<211> 565
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35199

ccaccctcta tccagcacac cccgcgcacg agacgatgga ggcacccaa ncccaccaga 60
annaacgcgg aanaacctgt agaccgtcgt cgtacgncac accatagaaa ctcaagctcg 120
cacactcgag aagcacgaca acattgtata tagacgagat catcttctct acatcccgcc 180
tagagccgag acgcacccat agaccggagc caacaaccaa attgccacag aaaaccaata 240
caaaccctcc agccaccgga gatgacatca caaagaagac aacagcgaag catccccct 300
ctaagtatgc accgctgaga gatcacacgc agaccaagct aaagacacac aaaaacatg 360
cactcgctta accagcgcca aaaacgaggg gcaaaccctg tcagccatcg ccgcatacgc 420
ttcgaacacc cacgcctgca tacgaccact gacgcgcncc caaccaaacc gagccacctc 480
gaacgagaca tgcggatgac ccgacacctg aatcataaac ggagaaacc tgagtccatc 540
cccactacgc gcgaacgagc cgaag 565

<210> 35200
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35200

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gggggggggt gaccatatga aacgacaact cgatagtaac gactattcct tgtattgaga 120
caacataata ctgtaccgga ttatgaacta tggatatacat aagagcgccg actatctctg 180
aaacgtaatc agttgataga ttattatctt tatacagctt tctccttata gtgcttgatg 240
atgaattacc tttatctgta atccgaattc tcgacacgcc ccatctgtaa gttgaattct 300

cacctcgata tatgtaactt atatcaacat cactgagact gagctcatta ttctatacat 360
tctctgtata ctctata 377

<210> 35201
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35201

ttgatgtttg tgttgaatgc attaaaggta nacagacctt atgcacgana taagtgcata 60
tagggctaca gacgtcttag aattgatata tacgaatata tgtgggtcat ttcatacacc 120
ttcgtggagt ggttgacaat attttatatc attcatagac gattaatcca gatatgcata 180
ctttgttctt atacatgaaa agccacaatc tttggatgtg ttaaaacatt taaagtttaa 240
gttgaaaatc aactcaacaa aagaataaag tgtgtcagat ctgaccgtgg tggtaaatac 300
tatggcagat atgacagttc aggtgaacaa tgtctggngc cttttgccag gtatctagag 360
gaatgtggaa tcatcccaca atacaccat 389

<210> 35202
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35202

agcttgagca tcctataccg tgttgaagat atctcatatg tcttcaggac tgaactgatt 60
catgtgctaa cgaggtttca tggccttgct cgacaagacc tgcacactca ttgcatagaa 120
tgtcacatcg tctgtccaa cataatgacc tcagatgtca catagatgat cacacactca 180
ctgaccgctt tttctccttc attacatgga gtggcacatg actgactgaa ttaccttgct 240
ccaaggtcca tcgccagctg ggatgacctt aatagactat tctcataaca aattatgtct 300
gctttcagca ccacatacat tangaatgat atctccagtc ttacataact cctcggatac 360
agccctgttg actactgcta gagattacac aactatgtgc c 401

<210> 35203
<211> 419

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35203

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cacacgactt atgagcggtc gacaccatta cagcttcaag gccgataaag ccatgggtcat 120
tacctcccgt agcgacgcgt gcagctcatg gactactagc atgctgattt actagaagag 180
ataccgcacc ggtcgtggac atcactgggt acccccatcg gctgggtcaat gcacatgtag 240
ccttgattct atgtcacgct tggccacata cgacgccgac atgaccactg tcctgcgaac 300
tggtcagtga ccctattat gctgagctat agccactcat ggattccgta ctgctggaga 360
cgccagtatg cactatggca gagaggaacc gttgatggtc gagagaggca tcccagtct 419

<210> 35204
<211> 219
<212> DNA
<213> Glycine max

<400> 35204
agcttggtcg cacatcgccc gcacttatga tattcactct acaagggctg aagtacatga 60
gaccttaaat cctataacgc aatgcggcca ctaatagcgg gcagttaact tgactgcgca 120
ttactgtcaa tgccgaaagt attctgcact ttactatcca tgttcacaca ttattgcaac 180
ttgtgcttat gccagcatga actacttcca atatataca 219

<210> 35205
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35205

agctctctag ctttncgang gtgtatatcc gactgtcttt ttgtgctata aagcgaggga 60
atgtgctcag atatgtgggg caattttggc ttgctttgct gcttgattgg gttggattga 120
gggtctgtat gggatggccc taggcctata atgcattctg aaacaatggg acatgccaca 180
ttgtaccctg tctcttgcta ttgataccta aacgcgcgcc caccaagtgt tcggtgaaat 240
gcctcaatgg cattagcgcg tgactcttgt aaggaaacaa cccatggggc attttggatt 300

gcacatatta tctatTTTTT cggacatgca ttcattcccc acagacgcta gagtatttgc 360
ccacatatat cctatgtcta ggaactaaaa ttctatgcac aatgaacac 409

<210> 35206
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35206

ntgaggggtgc gcagccgacc atcgatacat aggagagtgc ctatattgcg gctaccatca 60
cgattatcgt cttctatttg acacgatctg cactgcagac tatccggaac caaatgacaa 120
gaggacggac accgccgaac gaacgcaacc atcatgacgt tccaagttag gactcaggaa 180
ggctccaagt tagggcaccg cgtaacagct accccagtga gactgccttg ggagaaatgt 240
attagcagat actcatcaat gacgatgccc ttatcgttcg acgatacata ccaggatggt 300
tcatgcggca ggtaaccccc ttgtactagt cagagtacag caccatgaac tcgcgagggg 360
tgacgatacc gggaaccacg aacaccactc ctaggaagca aaggcacaac tgtacacgct 420
caaggacgtg accgatctcg 440

<210> 35207
<211> 391
<212> DNA
<213> Glycine max

<400> 35207

agctcgttcg cacatcgttc gtgtgtatga ctattcactc cacaaggttt gaagttgagg 60
agaccttcaa tcctattaca caacgtggcc gacaaaagtg ggcagttaac tcgaatggtc 120
attattgtca atgcagaagg tattctgcgc ttactatcc atgttcacat attattgcag 180
cttgtgggta cgtgagcctg aactactacc aatatataga tgttgtttat acaaatgagc 240
acatcgtaaa agcttactcc gcacaatggt ggctctttgc gaatgaagcg actattcctc 300
cttctaata cgcattggaca cttatccatg acccaacagc aattcggtcg aaaggtctag 360
ctatatcaac aaggataatg aatgagatgg a 391

<210> 35208

<211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35208

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 caccgaatat aactcgctaa gattttcttg ggaacaaac gatctgcata attttctgag 120
 atgaagaaag ttaaaaggaa gagaatctgc agttggaaga tctctcagct cacgaatctc 180
 taatgttgat ggcttgcttt tcatactcaa attaaagtgc gtgtgtggtt gtgatcaatt 240
 aattaatgtt gagttttaat caatggagta tcagtttata tatatttacg acagcagcac 300
 taaactttaa ttaagaaaat atataccact gacatgaatt attcaatcaa tcagcatgac 360
 gacatatcaa tgctatccgc attaatatag gaataaaagt acaagtttat attattaata 420
 attaataatg ttcaatgaaa catgga 446

<210> 35209
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 35209

agcttttttg aaggtgcctt attgtgtggt gttttacctt cctgagacaa tttttacgtt 60
 aaccctcccc aaaattaggg gcatatcatg actaacatcc ttatgctcta ttaaacccta 120
 atacaaggta ggagataatt aaagtaggct taagggttct acaaaaaaca tgattatcat 180
 ttttggttta aataacgtgc aagggtataaa ttatcaccaa aggttggtt tttggctaag 240
 tggcttaaaa taagaagaaa cattgccttg atcattacca cctcatgtaa ttaatctaac 300
 agtctaagaa tgatggaaaa tcgggaaatt aaaaatagac gttctctcac aagtaagtgt 360
 cgcacaactc accgggacaa aacaaagttg ttagcttata gcaccatgat ttctctcaga 420
 tggactaacc t 431

<210> 35210
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 35210

agcttcttat ccatggcact ctcttggtgg cttaactcct tcttccatgg cttattccct 60

agtggatgac gtctcttctc acctcttctc ctttgtcttc cgctacatct ccatgatgga 120

aaatcacgat tgaaggacct cattgaagcc caaagatcca gcctccatag aagctccaca 180

atcaagcttc caccacgtaa atgactgaag acattgaagt ctttgaaatg taaatgaaga 240

cattatagtc ttttgaaagc gtaaataaat gaagacattg aagtctttga aatgtaaatt 300

aagacattgt agtcttttga aagcgtaaata gactaaagac attgaagtct gtgaaatgta 360

aatgaagaca ttgtagtctt ttgaaagcgt anatgactga acgcattgaa gtcttttgaa 420

at 422

<210> 35211

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35211

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caagtacttc ggatttggtc cgaccatgcc ctcttgattt ccagctggga aattggcgag 120

tggaggaacg ccccggcatt tacgcaacga gcataatgta aacctttacg gttttaaaag 180

ctctatagtt gggcctaggc tttagagttt tcatntgtt aaggctttgt gtcttttgtt 240

tttgaattta taatacaagg atctttcttc atctgttctt ggtctctacc cattctcatt 300

catttgcatg tttacttctt tntctgaaac ggcagattcg atgacgagtc cccgaaggt 360

actaatacct gngaccgctc tatcaacttc gagcaagaaa tgaaccanac ggaagatgaa 420

ggagatgagg atgtgggatt t 441

<210> 35212

<211> 448

<212> DNA

<213> Glycine max

<400> 35212

agcttatgta tgaaagatgt tgtataagtt tgtattgaat tttttggcag cccctcaaca 60

gaaaactaca tagaagatat gaaggcagaa cacttagaga aactagcaaa gctggaagag 120

tggtgtaagc aaattcttat tattactttc tcgataagga tatgcatttt gccaatattt 180
 ttaagtacat atttttttat actgaagaac aaattaaaat tgtaaattac tgatttcttt 240
 atattcgtaa atgtggttca aagaccatat cagcattaag aacaaacatg ggcttttagct 300
 tcatttgaca atttacactt gaaaaatatt tatcaacca atatccaaat tagaggaatg 360
 actaacattt cacagtggca atgtactcaa aatattgaat gttattactg taatacttta 420
 gaatgaaatg agagatttat ttattgga 448

<210> 35213
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35213

ntgacattct aacttgtttt gaaggttggg ttannactaa atgttttttt tatggataaa 60
 tgcttacgag tctacttaca tgatctaatt gatttgaagg cttataata atgagatcat 120
 gattttttat ttttctaaat attcattata gacttaattt atggtgtcat ctttaactta 180
 ccatcactta tgactatcac ccaaaaaatt ataaccaaga ttatattaca tattactttt 240
 catcaaatca tgtttgactt gaataagcct cacttggtta aaaaatctaa aatcaaagac 300
 catcaagtat ttatcatata tttcacttgt taggcttgac ttaatcattc ttagcttata 360
 tagttatgta tgtcaaacta cttgttaggg gttggactnt caaataggac aaatcattaa 420
 agtaagcttt aacttccact tgtcaagagt g 451

<210> 35214
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35214

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 tcttcttaac actctgctaa aattcatata acttctatgt ggatctcatc atccgtttga 120
 ttagtcacat actaaattgt aacacctaca tgaatttcaa cgattaagaa aaatacattt 180
 aaaaaaatag aaaatatatt aataacagtc ttcacagttc taccagtgc aacaccatt 240

tgatacttgt ctttatctaa ttcttcttat tacgtattcc tctctcttgg atagcaatgt 300
 atgtttttcc ccagcataaa tactcgtggt gtagaataag ggaggagagg gaatgtaatc 360
 tccaatccca aattgttgat atcccttgaa attcttggct actaccactn tgcttattat 420
 agctaatacac gaacaaactt attgtag 447

<210> 35215
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35215

ntgctggcgt tgagaagata tcacatgttt gtcacatca ataagttgga gaatgtgaat 60
 gtatgtatac atgnatttga tgatggcaaa agaagaatca cacaatgctc atatggcttc 120
 aagattaaga caagggatga ttcaacaaac aaagacttgc atcaagattt cttcatgac 180
 aagccttgcc acacaatgaa aggggttcaag tcattcaagg cacatgcaat ctattaccaa 240
 tggctcgaaa gtgtgtcatc gattacacat catatgtaat cgattaccag agactttgaa 300
 cgttgggaac tcagatgtta catgacgggt cacaactcgt ccagaaacac tattgtgtaa 360
 tcgattacac tatatctgta atcgaatatc agagaggatt ttcaaggcat atcgccaaca 420
 gtcacatctt atca 434

<210> 35216
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 35216

cagctgtcag aagcgagtag aagatcattc tttcagaggg ttatgactta tcacagctct 60
 acacatgaag aggatcgagg acacaccata cctcaaacta aagtgcttat aagctcatac 120
 taatcaatgt acacatacct ccagcagaag gcacactatc tgagcttcag atgctgacta 180
 ttatggacta cacttattga gtcacatcata gtactgctcc agagaagagg acaactttgg 240
 cccgacttgt ggaatgtgca tatggtcatt cccagttcct ttgagaagac atagaatcat 300
 tagctgcgag caacatcagc ttgtaagctt ctgtcttata gtctgagcac agaataatgaa 360

[illegible]

<400> 35217

<400> 35218

<210>	35219
<211>	387
<212>	DNA
<213>	Glycine max

agcttggtcca tgtcaagagc caacaccaag ttgtatgatg ttnttacaaa aatacttcca 60
ggcccaattt ttggtaaatt cattgccaaag ttgggaatga ttaacatcta ttgcgcaact 120
tgaggggggta tcacgattaa gcagttggag ttagttacaa gaagttattt gagtagttag 180

ttggttatgg cagttagttg gttactagaa gttatttgag tagttagttg gttatgacag 240
 ttagttagtt actagaagtt atttgagtaa gctagttggg tactcaagtt agttattttc 300
 tgtctttgta taaataaacc aactctgtaa tactttgatg aatgaatcct aaaaatgggt 360
 ttcacatc tttcatctct gataaaa 387

<210> 35220
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 35220
 gattcaaaga atatgtggaa aagttgtttg taaaggctgt cacacattgt cataatatat 60
 ctcaaaatgc acgtcaaggt cttgctttta tagactctcc aagtctgggc aagaaaacca 120
 ttagaagagc tataaccttt agaaaaacct gaaaaccatt ggaagagtta catctttaga 180
 tttttgttca gaacttgta ctggtaaagc attacacat gcatttttgt gaaaggatgt 240
 gactcttcac aattgaatct gaatttcaac gttcaaacac attggtaatc gattaccaat 300
 atctcgtaat cgactacacc atttcgaaat caattgaacc gttgtacatt cagttgaaag 360
 ctcttgcaaa aaaatcttct cactggtaat c 391

<210> 35221
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35221
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 tattcaccat ttttttaata atttatatat tgcattcttc tatatttgta taaatttaga 120
 gcatgaaagc atttcacaaa atacagacta cagaactcat ttgaccaat ataggatgat 180
 atagttgggc ctaagcctag tagctggact tcaaatgaat atgggtctcta taaaatatgg 240
 agtcggccac cccaatacat tgtcacactt ggctacatgg atcangctac gccgagtcga 300
 ctcacattac tacct 315

<210> 35222

<211> 325
 <212> DNA
 <213> Glycine max

<400> 35222

tagcttacaa atatgttata aattcttgcc catttttgaa atcagatcac agctagatca 60
 catcagatgt gatatgatct agatgacata gtatctatat gagatgccat ctaaagtata 120
 tctacataag agaagatcta acttgataga acaaagctag ctgccctctt caagtccaag 180
 ctcgagtctg gattcaagcc ctgccccgat tctggatata gacccaatgc tttattgagt 240
 cctgaaatta gagtaatatc atcaaagtag ctgcgtggac ccgaataata ttactgccta 300
 ataaatttga caattaggac taatc 325

<210> 35223
 <211> 214
 <212> DNA
 <213> Glycine max

<400> 35223

ctttctccct ctccctctcg cggttctatt cctatttct tcttctttat tgaagctcca 60
 tcaaagctgc aacctttgct caccatttct gctccacatc gcagaaggaa gccacttttg 120
 gaatcgtgaa atgcacctct acgttgtggg acttcaaatt acaagtctgg gtagacttct 180
 tctcacataa aatttagtgg gtatacgggt gttt 214

<210> 35224
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35224

agcttgtcat caagttcttg atacaagaac cttatggatg gnggtatata ttaacttgca 60
 tgggctgtat gactgcaaca tgattacact gaatttggtg tagtatgacc acaacaagtt 120
 atggaacana actcanatat aatttcttag aagccattat atcatgctct aattaaaatt 180
 gaagttaagc ttctataatg tgtattaaag gtattattag agaattatat gaattaacta 240
 tgtgaaactt taatcttgat tgaagaacga caatcaaaat ttgcatataa attttatcct 300
 ttntgataga ttggttatgg tggtattctt taaataatga gatttacgct ttgattgcta 360

agttttgctg tggaattctt ggagaagtgt gctacaacat cttgaatttc taggagcttc 420
acttaatcat ggact 435

<210> 35225
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35225

cgccgcccag ctcgcccagg cgagcaaggt tgcttcctac atatgcatca gccttctgga 60
ggaatcttct ggagggccca agtgggccta gttgctatct gcacccccct ttctattttt 120
ttgtaattct ttttccgtaa cgttacgaaa ctttacgaat ttcgtaacga tacttatttt 180
ccttccgtaa ggttacgaat ccttacggat tatgtattta ctctttttta cctttcgaag 240
aagttacgaa aactcacgca ttgcacaaaa acacctcttt tcaacttccg ccacaatacg 300
gaatttcatt gatcgcgcaa gcctgcttcc tttngatttc tgagacgtct cgggacttca 360
tttattgtgc aacataggac gccaaagtatc tcaaagcggc taaccaaagg tggcatgtta 420
tcaagtaata 430

<210> 35226
<211> 349
<212> DNA
<213> Glycine max
<400> 35226

agcttctact tatgtggcag ggcgggcttc cttcactatt ttgattccag tgcgagctct 60
gaccactgtt cttccttcat gcgacgctac ttcacatgta cgctgagtg ggattataga 120
ctacaccata ataccaccca ttttctaggg gttatatcaa gctacgcatg ccgccaatga 180
ccttgccata gaccgtccta gttttataac cgttcccca catgactcat accaccatta 240
cacgcgcttc atacagacat tgtagcccaa ctagggagac cacggaggaa atgctgacca 300
cctgacacga ctgtaaagcg gctgctaacg attcttctgc ggataccac 349

<210> 35227
<211> 447
<212> DNA

<213> Glycine max

<400> 35227

ctgatgatat ggtcttcacc gacgaaagga tcatagtggg tctattaaga ggcaaactctg 60
atcatcatgc tttgataaat gccaaaaaaa actagggcaa atgaagaaca ccacctttag 120
cacataccta tatcaaccac aaagtctgtc taccgcactt ccaatgacga acaccacctt 180
tagcacatac caacaacacc aaccaagata tgaattttgc agtgagaaaag cctgtacaat 240
tcacccaat tccagtgtcc tatgtctgact tgctcctata tctacttgat aattcaatgg 300
tagccataac cctagccaag gatcattaac ctacatttct ccgagaatac gactcgaacg 360
caacgtgtgc ttgtcacgga gaagccctga ggaattccat tgagcattgt atggctctga 420
agcataaggt gcaaggtcta attgatg 447

<210> 35228

<211> 449

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35228

ggttgctttc ttctttcctc taatgtttct gttagcctgt ttgtgttgat gtcgttcagc 60
acactgctct ttctgctcct tattgcttag ttaggaattt tagctttgca gataaagctc 120
agaaagtttt atagttgtaa aagggttaatt tttttctgat cttattcctc ttcccctaca 180
tttaatttca ttactttttc cacttactat gttgttgca ccataaataa tttattgatt 240
atatatatat atatatatat atatatatat atatatatat atatcaatat 300
gagtactaac aacacatata attgaatatg attagatata tatcgataaa acatatctga 360
taattttctc cacaactttc agttgtgctt atggctctat gcagataatn ggtcttctga 420
gtagacaata gttgacagtg gagccagct 449

<210> 35229

<211> 340

<212> DNA

<213> Glycine max

<400> 35229

agctcttagt tcctctcatt acgttcttga aatatgggca cggagcaaac acgctacgtg 60

ccttttcttc ttgttctgca agttcttcag tctttgaaat agaggccttt tcttttgatt 360
cagaagccac ttctttcttc acagatgcag aagcaacaat agcctaaaca cc 412

<210> 35232
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35232

ntaggaataa gattaagaga catcactctt ttgatagaat tcaaattcac atgtgcaagc 60
ctagcatgcc acatattcaga acattcaaca ttgacacaaa agaagaaaca ctagatattt 120
tattaataga aagagatata agacttaact taaacatata atcacaaatg tagcctttac 180
caataaaaac accatgtcta gtaataacaa ctctattgga ctcaaaaaca acctgtacc 240
cttgttggac taacaaagaa gtacttatta aattttttct aatataaaaa atatgataga 300
ttccatctaa aacaagaaaa ttccctgaag atagctctag cttcacttgc cttctcctaa 360
cacatgtgcc atactctcat tctcattct catagtagct gtgcttgatt cctgatataa 420
agaannataa ttttttatca gcacac 446

<210> 35233
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35233

agcttgtagg attatggngt acccatcaca tgtgggtacta ggtggcggtc gggcgatggt 60
gcacaacaag ttgtccacat ccacaatgcg cgcataaacc caccatcccc tgttgccac 120
ctccaactga gctcacgtac tcccacgtag cccatatact cgtttctctc aacaccgggt 180
ccccatcaat cctctcaagc ttccacaaca tccaagcaga acaacattca aacagcacia 240
gctatcacag ccaagcaaaa tagagcagag gcagaaaact ctgctcaaac accaaccaaa 300
atcacagctt tttctcgctt anagacccca gtaacaattc cttcgatcca attcgttaac 360
cgttggatcg actcgaatat tctactagaa gtctctagta cataagccta cattgtgacc 420
gttgggatct acta 434

<210> 35234
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35234

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 tcggcgggaa gtgatggggg aaatcgacat tccattcag ataggcccc acacttgcaa 120
 catggtgttt caagtaatgg atataaatcc cgcctatagc tgcctcttgg gaagaccgtg 180
 gattcatgcc ctgggagtgg tcccttcaac gttcactag aaattgaagt tcgtgggtggg 240
 cggactttta ttgatagtgt cnggtgaaga ggacatgtta gtgaactgcc ctcctccgc 300
 accatacata gaagcggcgg aagaatcatt ggaaacggct ttccaatcct tcgaggtggt 360
 gagctacgcc tctgtggaac caagtccgtc gctaccttct ctctccaaag cggcataatg 420
 gtggcgccgt gtatgctc 438

<210> 35235
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 35235

agctgggact catgagtggg aagtagaggt ctataggat tgttctgtt gttgttacta 60
 atgcttttcc ttatggtaca gatgagatca aaagcgactc cacaacaag agcttcaagg 120
 tcaacgaaca tcgacttaag tcattcttca cgaacccttc tttagtggac gtagtgggtg 180
 aagagacatc cttactgcac cttactcttc ctccaccatg acttaaggag tttttctttt 240
 cctatctcct tctttgcttt tattacactt ggccgattct ctttgatgat ttaattgttt 300
 ttaatctggt aattgtgcta cattgacgac aatgtgttgt ttaagtatgg ggggggagtg 360
 ttcttttg 367

<210> 35236
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35236

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ctgggtccctc tcttcccttc gcagcttgag ttactattg ctacccaca gagctccgcg 120
aaatttattc cagccatact ctcccttgcg agccctcttg gtctcttggt caagggctct 180
tgcggtagtt gcattctctt cccgtaacct ggcacactcc ttccgaatgt gtgtagtggc 240
caacttgaac ttctccttgg caagtttcgc ctttcctaac tcgcttttga gagcttggac 300
ttcttcgtcc tgttcgggtg cttcaaaact ctcttcgctg acgactttta acttgggtgag 360
ccaatctaaa cctcgtatat gaactttcaa ccattcatgg taccaccaa tgatgccatt 420
acgaatgcc ctaagttctt gatc 444

<210> 35237
<211> 414
<212> DNA
<213> Glycine max

<400> 35237
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aggctcaagt tgtctatcaa agaagatgat ggtgagagta ctaccctcta ttaaccaccc 120
taatcaactt tgtgaaggaa gatgactcag catgaaagtg ataacgagtt ttccgcagga 180
gtcagactag agctaagaag ccgctcgagc taatacatgc tgacgtctat gggcccatca 240
agccatgctc actacgtaaa ataattatct cctccttttc attgatgact cttgaagaca 300
aacatgggtc tattccgtat agcacaagtc agaagtgttt tctgccctta agaagttcag 360
agctacagtg gagaaagaaa atcgcttatt tatccacgcc atgaggattg accg 414

<210> 35238
<211> 545
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35238

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gaaaatgtgc tcgtcgtcgc aacctagana ctnaactgac ggacgcgacg gaaagaatat 120

ggagcaaaac gcctccgctt ctattgtata gaccngtgcg ccagacccgc gaggcacgta 180
aagaaacatg caacattccg cacacacgag gaaacactgg aacattaagt aagacaacga 240
gatgctagac ttacgagcta ctgtaagtgc tagacgtccg cctaccaata ataacacaca 300
cgcaaggcct aagcactcta ctgaagtgga aaacaaccta gcacacatga aggacgaaca 360
aacaagcacg gtacatagag gatgtaatat acaaaatatg agagatgaca tccaagacga 420
gaaaataccc tgaagatgga ggaaggacac ttgccggatc aaacaccaga ccctacgctc 480
accctctga ccacagaacg agcgcgagat acggaatgaa gacaacaatc tatggactca 540
ggccg 545

<210> 35239
<211> 130
<212> DNA
<213> Glycine max

<400> 35239
ataacatatt catgatttgt tggcatgctc accactgttc gtttctttac gaaactcccc 60
ataacaaaa aagcgcaaac gcacccctat aacacccgat ccaaaagtaa gatgggtaag 120
gaagagggag 130

<210> 35240
<211> 416
<212> DNA
<213> Glycine max

<400> 35240
tggcttacat gagtctacac gtacgaggga tcgaggttta tttctttagt cttcagcata 60
gaacacacga acattcttaa ttatagaaat atctttatat gcatcagctc gtttattaga 120
aagacccaac gctttttaa cactgtcgtc acttttaatt ggttgagggt attgtttttc 180
taattaggat atatcatact tttacttcaa ttcacaatta ttattttctg tcaacaaaat 240
gcctgattat tgaacaaacg cttgccaaat aaacaagtgc cctgtgttcg atactcagat 300
cattccggtt taatttttaa taccgggagc gcttgctagt atatcacttc ccctttgata 360
tgatgctgaa tgaaacttgt tcacatttaa gggtttttaca agggtcataa agaaac 416

<210> 35241

<211> 400
<212> DNA
<213> Glycine max

<400> 35241

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atgcttgaca ttattaaggc tgtatacttg ttcaaaggac acaagaattt tagtctacaa 120
catgtaacag attaacagtt gccaaaggata aattacctgt actatcaaga caatagctct 180
ctgatgatgc acacggcagt caaatgatac gctccgcacc ttgctagcaa gtgatgcagc 240
tccacctgag ttactattta ccattagaac gttgaaagta gaacagatca catagaacca 300
cgatggaaga aaaatagtat aagtactttt tctcgtacag acgaacatac tcaattatgc 360
taacgaaatt ctgaccatct gcatacacag ctctgtattc 400

<210> 35242
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35242

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accanattcc tgatagaggc ccatttaatg cctctaccca accctctaatt gttgtaggaa 120
aggatattca tctatgaata ttcctattcc ccagctccat agcttttttc ctgtcccgag 180
actccatatt agcaaagctg tgaatacctt catcttggtc tatatcagcc tgtatgctta 240
taattttttgc aagggtgcat tgctgtttgg cttcttccat gacttgngaa ttgctttctt 300
ctatactttt taattcgtca tatgcttcag agactctgtg ttttgggcct ctgtcttgga 360
actcacttac atgttgctga tcaatacctt catttaacat gnttggctct tctgctacag 420
gctcgangta cttccctctt ggtttgata 449

<210> 35243
<211> 373
<212> DNA
<213> Glycine max

<400> 35243

agcttgagat gaggaagtgt ataacgggtga acttctgtct tttattcgtt gaccacagag 60

tggtagctgg agatatgtcg cggcgggtcat gagaccttgt ggacgtcagg aggggtgcca 120
 ttgccccaaa ccaagcttga ccaattccaa cccaactcgg gcatagtcag tcagtgagaa 180
 cctgtgatgt acctaaacag gcgagctgct ggcagtcac agataatagg aacaaagacc 240
 acagagcaag gaggcttgtg gtggctggcc aactatgaac tcgatcgata tgtgggatat 300
 ggcctctggt aatcgattac caaggggttg taatcgatta caaggcttat gaatgaagac 360
 atgaggctaa cat 373

<210> 35244
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35244

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 gagacatctt gcgaaacaaa gtcagggttag ccatgactcg cctgtgcttt ttcttgcatt 120
 ccatatgtag caaagtcggt gatccctgca agtatgatga gcagtgaat gaggctgcaa 180
 ttatactgtg ccagttggag atgtattttc cccctgcttt ctttgacata atgattcact 240
 tgattgtgca gtggatgtac ccggttgagc gatacatgaa gatcttaaca gggatacag 300
 agaatcaata tcggctagaa gcatctattg ttgagaggta catctgtata agaagccatt 360
 gacttctggt agaatacatt gagaacgcta tacctgatga cctctctgag tctcgacatt 420
 atga 424

<210> 35245
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35245

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 tgtgatcgac tacctcatan ttgggaatt taagaaagta atttttgacc atttttaacc 120
 tctaaaaagt tatcaaaaac attataatga ttttttcaag caaactgccaa caaagattat 180
 tttgaaataa ctaatatata ttgtcacatt attatttaat agagaaatat aatgataggg 240

gatgcatctg gaatatatgg gatacgattc gccatgaaca aactgcgtaa agaacaaatt 420
gcctatgtca tcctacacca tactggagac cattggctta caacaaatag acctataatc 480
ttaggcatta tgtcagtgtc tttctccn 508

<210> 35248
<211> 438
<212> DNA
<213> Glycine max

<400> 35248
tcgaagggga ctctgcacg tgccacaaaa ccatattctc atcatgttat tggattctat 60
tgagcatatc cacatgattg attactgtct gatgcctat gcgtgtgtct ccataagaat 120
cggattttgc acctattata ttatactgct gcatctgac cttcaatagc gccggtcatt 180
gaattcccca tattagccct cttttgtaca tgccattggg gctttcgga ctctcaacag 240
gacttttttc gtatgttcat ttttagcgaa ggagatacct aaccctaacg atatcccctt 300
tetgcccact ccttgctgaa tattctctac attcgtgctt tctcgaacat tcgactccag 360
ctgtctgtct catgattccg taaatcatta gatcgtgact caaagcattg gatgacctct 420
cattatctat ataccatg 438

<210> 35249
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35249
agcttggccc tcactacct cctccacca ctctangcta ttatggcccg aatccaaacc 60
ctgttcagaa cctgaccag aagaagctct ctcatctcac ctccacaaa tctcgaagct 120
acatcagaat cctctatagg ggccctctct gtcgccgctt gaattagcgc cagtggcatg 180
tcgatgcatg gcctccccgc cttgcacttt tgccctaatg cagtgggaaa cgatggcgctc 240
atcattgact cgggcacctg cgtgaccga cccacctaca ttgccctaca agacgccttt 300
tgtgttacgg cctcgcatct gaagcgtgtg tcggagttct cactcttcaa catgtgaaga 360
cctatccagg ctcacgaagg tgaaggtgcc tacgccgatg catttggtc gtggcctgac 420

gagagcagct cttcatctaa t

441

<210> 35250
<211> 296
<212> DNA
<213> Glycine max

<400> 35250

tcgacgatct ggtccgtaac ggacagagga tcatcactct tctattacta tgttatactg 60
agcattatgc tctggctatt gctacttacc tgtatggctg acgaacaaca ccacctttag 120
cacatacctg agaaaaccac acatgatgcc taccgtgctt acaatgacga gcaccacctt 180
tagctctaac caatatctcc taccaccaa tcatTTTTgc atggagtatg cctgttcaat 240
acagcccatt tccagtgacc tatgctgact tgctcctata tctacttgaa tattca 296

<210> 35251
<211> 430
<212> DNA
<213> Glycine max

<400> 35251

agcttgctga ttacattctc cctctTTTT tcaaattctt aattcttctt gacatcatca 60
aaatcttcat gatttacatt ctccccctt ttgatgatga caaccacctg taggttagga 120
gcaacaacaa agaaaaaata tctatttgca tatagtttac tcccccttg ttttgcaatg 180
attgcttata tgagacagtt gaagatttca tatttttcat atgtaaaca attgtctcat 240
aaacaataga taatttttct tactatttta tctccccctt tgtcaacatc aaaaacaaat 300
catgaataga gaggataaag atgttaccac ttgttgcaat gtatgagaat caagtgatac 360
caaaaggcat taaaacaatc attcaatatt aatcaagcaa aaacaagtac aataacacat 420
caatcaaaca 430

<210> 35252
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35252

tgacacatta cctgctnttc acatctatac ttttgtggag gataaagaag aagtaggtgt 60

cctttatttc ctanaatatg ctcacactct ctaaaagctt gttaagctnt tttgcttact 120
 tttacttatg tcatttcctt gtacaaatgc tcaacgtgta gcatgctttt gatcaaaggt 180
 tgtacttaca ctcaaaaaaa cctttctttt cgttaaatta ttgaaattca aatcttagag 240
 catattcaaa aacaatataa gaagagttaa ccttaacatt caagctacat aggaaatggg 300
 tctcaccat tgaatcatcc aaaaataaaa cctataattg tgaaattcac aaatgctgcc 360
 ttatctatta nggacaacga aatgggtccg acccattgaa tcacccagtt taac 414

<210> 35253
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35253

agctntanaa ttcgaattaa aacgtttaga atctgctggt aatcgattac catatatgtg 60
 taatcgatta cacagtcaa attttgaatt caaatTTTaa tagttgttgt aaattagttt 120
 tggccactgg taatcgatta catcctctgg taattgatta ccagagagta aatctcttga 180
 aaaagacttt ttagcttaaa tttcttggcc aaaccttttg ctacttcaat tggaattctc 240
 ttctacttta atataccctt tctaagattc tagagactgt cttgattatc catcttgaat 300
 atctttgatt tctttgtctt gaataaagct ttgtgaaaca tgtaatcctt tggcatcatc 360
 aaaacatcag gttgatcctt tgtctacaaa tcttgaactt attctcttgg gctttttgtc 420
 atcatctttg 430

<210> 35254
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35254

tgtccaattg anataagctg aanagagctt attctaataa tcttttccat cgagtttatt 60
 gaaacaagtt gttcaataga ctgcaaaacc tttttttttt tgtctttatt aggattgaat 120
 aatgcaccaa gtttattgtt attgctgatg tgcatagatg ttgacagggc tgatatttgg 180
 tcttttggga ttacggcact tgagttggct catggccatg caccattttc aaaatattct 240

ccaatgaagg tattttacatc ccgtggttgt tcagagacaa tgtctagaca catgttaaca 300
 ttggaccgat tgaagttcat gtgatataat ttgtaataaa agaaaaagag agttcacttt 360
 ttatttcatg tataggttct tctaatagaca atgcagaatg cccctcctgg acttgatgat 420
 cgagataaaa agttctct 438

<210> 35255
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35255

agcttttctgc anagcttacg gtaaaatctg tgtcctagcc atggtagaag tctctacaga 60
 ggccattgcc tccctcatcc agtattatga tcagccattg aggtgcttca cttttgggga 120
 cttccaacta tcacccatgg tagaagaatt tgaagagatc ctaggatgtc ctctaggggg 180
 aaggagacca tacctcttct cagggttcta tccctcatta gctagaattt ttaagagtcc 240
 aaatcttggc gcaggaatta gaccacagaa agcaagtaaa aaatgggggtg gttggaatat 300
 cgagaaagta tttggaggca aaagtaagaa tcttggcagg taaaggcgaa tgggccccgt 360
 tcatagacat tctcgactg ttgatcttca gaggagtcct ctttcggaat gtggatcggg 420
 tgggtggactt agcagcgatc gac 443

<210> 35256
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35256

gaacaaaatc gccttaaactc atttcaaata tgcattgttaa ttatttcgca tcaacaagaa 60
 tcaagccaag gctattgtgc aagcaatcaa tggggcaaaa cacaccatat gattataatg 120
 acggatggct caaattctca caaaggtaaa atcatcactt tcacattgag ctttcanaac 180
 tatcatgaca ttagagaag aatcaatgat ttcaagtcac aaaatgtcaa gaacttttat 240
 tttcaaaaca attaccatt tcttgaacat atcctataat tcaaagaata acatgcaaag 300
 tcgtacgcgc acacaaaatt gacccaaat attactctga taatccgacg aaactaacia 360

376

<210>	35259
<211>	362
<212>	DNA

14685

<213> Glycine max
 <223> unsure at all n locations
 <400> 35259

tccatcacgt ggtggccttg aaccagcttg agacagaata atctgatatg tattacaaac 60
 aaaaccatga gagacaggga aaggccacat gnaacctata ccctattatg cttataatac 120
 gatcttaatt atatcacaat gagactgata tgctagagga ggataaacag agacaaccaa 180
 gatattcaca atattagcaa accagggatt gaggaaggac ttggacatac tctacataat 240
 gtacatatgg ccatgagggt aatcataccg agtggatgat tacatacagg catgcataca 300
 ccagctaaag tggaccgact gaggttatgt gaccactccg atcacagata tcaaatagac 360
 tc 362

<210> 35260
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35260

agcttcttgt tncctgtaat tagatgaaat atttcgtagc ttgagtcgat atagatctct 60
 acgtttcagc ggggtacggt actgtacggc tcccccttct atccatgaag ctgcctcagg 120
 gatagtaagc ctaaatttcc caaaaatatt tatacagaac ctcgattttc tctttatgca 180
 gcatgcattt ctatgggtat gatggcagat agctctcatt ttgcaggctt tcgcatctat 240
 tggagtgtct gataaacctt gatgcgttaa tgcgtggcat tagaaatatg aatgggtggt 300
 gggctctgcgc ctttgtatct agcatttaca tcttggtatt ttcctttatt ttcctgagcc 360
 aaatattgat ccttgacttt tgcgatgtgc accgagttga gattacactc ctaagacttg 420
 tgtactagca tctttccttc gc 442

<210> 35261
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 35261

actgtgtaca tttaatctaa tctttcccag actcagctac aattaaacca ctgtacatta 60

atcataatag taacgcttga ggggagagta atgttgcaat atggattctg ctccattcct 120
 ttctttacta tcaaagcttc gcaccgatca tctcttttat aatatatata acaagccttt 180
 cgcgatatca gttattttatc ttctttcaag atatcgctcg attaacaaaa ctttatgaca 240
 cgaacatata tgccaactaa acaaacgata ctttctaaat aa 282

<210> 35262
 <211> 286
 <212> DNA
 <213> Glycine max

<400> 35262

ggtccaccgc cttaacatga ccacctttga agtagaatag aatcactcga cacaaaacaa 60
 ctacgtcggc ctgatgtcct catcgcaact gaggaacacg aacgaccata gggaaacacc 120
 cttgtcgacc accagcagag aaatactgta caaagggcat aaaggatatg acgacataaa 180
 gtgggaacat aacaaatcaa agccgtgtga tgcacattcg attaaaggat gccgtccctt 240
 gggacggacg tgcggtgtgc taataccttc cccgtgcgca aataca 286

<210> 35263
 <211> 502
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35263

cggacccccg ttgatacgtc gagacctggg atctctaaga cacctgaggc ctgcgcgctg 60
 caggtcttag gaaccatctg gggtctggnc attgtagacg tctccacaga ggccatcgcc 120
 tgcattcattc aactctacga tcagccgttg aggcgcttca tcttgggcga cttccaacta 180
 tcacccatgg tacatgacta tgtcgagatc ctatgacgtg cttcatgggg attgatatca 240
 taccttgtct cacggatcta tccctcatta gctagaattt tgaacagacc aaatcttggc 300
 gcacgatgta gaccacagat agcaagcatg aaatgctgcg gtgggtatat cgataacgta 360
 ctacgaggca taactttaaa tcttgcccgg caaacgctga ctggaccccc ctacttaca 420
 tgatcgcaact gtcgatcttc agaagagtcc cttctacgaa tgtgcccgtg ttggtgaact 480
 caccatcgag caatccttat cg 502

<210> 35264
 <211> 323
 <212> DNA
 <213> Glycine max

 <400> 35264

 agcttcgaag tcaacagact acttatgaac cttcacagtt tcaccattta ccaacaatac 60
 attattaatt gacaagactc aagcgtgtat ttactgtgct ttaaacggag cttcttctct 120
 actccataca actattattc attaacgtat aagacaagac tgcataactaa tcattccaagt 180
 ctacatacat cataatccca agttcaacta gacaacctaa tccatcacc ttctaaaaag 240
 aatggcaatt ccacaatagc attattggat tcaaccatcc aatagtacat caccatttca 300
 ctattccttg ctgacaatac cat 323

<210> 35265
 <211> 440
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35265

 ntaagggcct ttcagtgcct ataaaatcaa gcagaactac tatcattgat ctcagtatta 60
 attcagattg ctactgcct aattgggatac gacaagcttc cttcaaata ga atctatgaat 120
 gctcatgtta ctcttgcttg cattaacaca attccttgta tcattgtgaag gcttcaaagc 180
 aagaactgct tataactatg tatgattata ctttatgcta ttggatgtta ttttggttgg 240
 gaattgagca ttaattgtgac atacagtagt taattccttg atacattagg ggaccgtttg 300
 tttatatnta tttctatttt gaaaacaacg ttgggtctgc acatcggggt cccctaacat 360
 gcatcaagcc ctaactggat gattgggttg atgctctaca gctttatcag actnctgttc 420
 aaactagttc ttttttcatg 440

<210> 35266
 <211> 279
 <212> DNA
 <213> Glycine max

 <400> 35266

 aattattttg atgtgaaacc tcgttctact ccttatgact catccataat actaaagaag 60

actttgcgtt gctgaatttc ttcacatata tattcgcaaa gcatcggtc tttgttgcgcat 120
 ttgacaaact tctctacgcc tgacattgca tatgcagttg gtaaattacg aaggtgaact 180
 aataactctg atcattctca ttggattgca ttacaaagag tatttagata cttaaaagga 240
 accatcaatt atggcattca ttatacatgt gatcctgca 279

<210> 35267
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35267

tcttttggac tttgaacagg caactaactc ctctttctta atcatgctat gtgctcgca 60
 ctgggtccctt tctttccttc gcaacttgag ttactattg ctaccccata tatctccgcg 120
 aaatttgatc cggccatact ctcccttgcg agccctcttg gtctctcgta caagggtctt 180
 tgcggtaatt gcattctctt cccgtaacct ggcacactcc ttccgaacgt gtgtaacagc 240
 caactcgaac ttctccttgg cgagttctgc ctttcctaac tcgcttttga gagcttggac 300
 ttgctcgtec tcttacgggg ctgccaaatt cccttogetg acgactctta tcttggcgag 360
 ccaatctaaa cctcgtatgc taacttgta ccattcatgg taccacacna tgatgccatt 420
 acgaatgcct ctatactct 439

<210> 35268
 <211> 194
 <212> DNA
 <213> Glycine max
 <400> 35268

ggtgctattg cgcacacca atctcgacca aactccaccc aaccgggca tagtccgaca 60
 gtgagaacct gtgatgtacc tatacaggcc atctctggc agtcaactta tgaaaggaac 120
 tgagaccaca aagcaaggaa gcttgtggtg gctggccagc tctgaaactt gattgatatg 180
 tgagatatgg gctc 194

<210> 35269
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35269

tatctgtggt catccgatcc ncaagccact ccttagatat atttaatcca gttagtttcc 60
ttatatagta tatatgaaat tggcctttgt ttctttttca tatattgtaa aagatacacc 120
atatttaact gtggttagctc ttcattctct ttggccaatt aatgtcttaa atcaatgtgt 180
gacaaacaat atatagctaa ctataattaa cggttacaaa ctatattgga agtaactttt 240
ttgtatcagc aaaatagata tattgatgca tgggtggtaca agggtagcac aattccatga 300
ttaaatagca actaaccaaa accagaatta caatatgcag taagagtcac taagtggcac 360
tgatatgatc cgacaaaaag ttccaattat tttcaatatg taatggataa 410

<210> 35270
<211> 432
<212> DNA
<213> Glycine max

<400> 35270
agcttagaaa gacattatct cattcataac attatgtaaa ctagagagcc atccacaata 60
tgccaataaa acatatatga ataattaaag gacatagaac acaataccga atgtaagtac 120
ataccactag ccatatatca ttgaaggaat taagggttaag acacataatc ataaacagcc 180
aagagcaggt ctatataatc ataattgtca ggcatactaa gcaagtgtta aaagaaatac 240
tacgtgttca aatgtcataa aaacatatgc aaatacaagg cttacgaaca aatataatta 300
taatctaaat atattatccg agaatcaaaa cttaattcta agtaacaaaa attagatatg 360
aacacataca tggtaactta ttacttatct cgattaatga accactagaa tgtaagtatc 420
gaataacaat ca 432

<210> 35271
<211> 431
<212> DNA
<213> Glycine max

<400> 35271
agcttataaa gataaatgat gacatgattt tttccaatc acactatgtt gaaaagctgt 60
tgaagaagtt taattatctt gatgtgaaac ctgtttctac tccttatgac tcatccatca 120

agctaaagaa aaatttgggt aaaggaattt cttcacataa atattctcaa attatcggtt 180
 ctttgttgca tttgacaaac ttctctaggg ctgacattgc atatgcagtt ggtagattag 240
 gaaggtgtac taataatcct gatcattctc attggattgc attagaaaga gtttttagat 300
 acttaaaagg aaccatcaat tatggcattc attatacatg ttttcttgca gtaattgagg 360
 ggtttagtga tgcaaattgg atttctgatt ctgatgaaac aaaatcaaca agtgggttatg 420
 tttttacttt a 431

<210> 35272
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35272

ntaatcacca tccatgtatg aattaaaaaa aatctattaa actcattaaa taaccagcaa 60
 agtatagtcc tttgttggtg aaatgatccg gaagcaaaac ctcaaactcg attggtcagt 120
 atctacttta attgttgatg taagcaagtt cacagtgtga tgagcaacaa atttctcatc 180
 atgtactcca ccatgatgat gagaagacag atcgacttaa aagtccagag ctgagagcta 240
 ttctctgggc cagaatgttg actactagac ccctacacat gataaataac cacaaaaaat 300
 gtttttttat ataaatgttt gccaatat caccctcaat gtatcacttg ataaatgttt 360
 tttataaatg gcatgcactt ccggaacca aaaaatgagt gtgtaaagac aaagctgatt 420
 ccaaactgg ataatat 437

<210> 35273
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35273

agcttaagct cnttcaactg cacaagcctc ttgttatttg aagagtatcc ttgtggaacc 60
 ttcacccaac gaagacactg acaaaaactt atcttctcct tcttggacaa agtatggcag 120
 gctgngggca agtaaatgtt ctcccatca gaccttggat gcaactgtga tcgtataccc 180
 atatcagcta gatcttgacg ggtattcaag ccctccttcg tcttgccttg aatgttaagg 240

agcatcccaa tcacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300
 ctaacgtcaa gatcacacca gtacgaaaga tcaaagaaaa tggacctctt ctcccatatg 360
 caactctgac tnttatectt cttttgggtc ttcccaaata cagtattcag gtgttgaacc 420
 cattgatata cctgctcacc agtcaac 447

<210> 35274
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 35274

atgaccctgc aatatgtctt gcacccatgc atggcctggt tgttggctgg gtatgcacaa 60
 ctctttacat aaattttttt attgcatatt caccataaa cacagccaca tatgatgctt 120
 gcttcataag ttcattcattt tcattgggtat tgcattcaaa attttcaacc aagtcattca 180
 tttttgacct gtatagaaac aatattacaa aatacaacat atatcaagat acacatgata 240
 aaacataagt tcattaccaa ccataatatg gctcgggtaca agccaaataa gaaacataac 300
 caaatttgat aacaaaacat aatatgagtt caatagaaca tgactcatac caccataaagc 360
 aaacatctaa gcactagtac ataatagtaa gccaatgca 399

<210> 35275
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 35275

agctgttcaa atgggtaaaa ggctcacatt ctctttcttc tacatcatat tcaaacttgt 60
 ccaaataaat aataaagtca tctagacaca agaaggtca tctaagtttc atacaattaa 120
 tatagaacct atatccta atgcacatcct atcagagcgt ggtgtccccg tgtcctctag 180
 catgagggtc ttcattagtca tccacctatt catctgctcc cccgaacaca aagttcaaga 240
 tcatcacagg attcaaacac aaacaacaaa ccgagagtga gttatcacat ttctaactac 300
 tagagagaaa caacacaaca tatagtagcc aaatacaatt tacttagcat atctcacatt 360
 atttcatcac tctgtcattc atcaatcaca ctgtcatcc atcaatcaca cctttcaatc 420
 atcaatcaca atacacagga atcacacac 449

<210> 35276
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35276

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 actatgataa aagtgactag caagggtgaag atgacacatg cggttatagtt ntattttaaag 120
 catattttcta gacaacattg aacttcaact aactaaggggt tgaagttcta gtggccttcat 180
 tctacaacgt ttcacttagc ttttctagcg aacacacctt tataggttagc tctttccaag 240
 acaattgcaa gctaacggta attgaaatta agacaatatt ctaacaaaaa taattcttaa 300
 aagntaaaca ctattctcgn tcaaaaataa ctttttaaaa tactattatc tagtaataga 360
 ttgtaaacac attgttattt aagacgagga ttcaatgtta tgatataaga gagatagagt 420
 ttcttatata tacttttgac tttt 444

<210> 35277
 <211> 444
 <212> DNA
 <213> Glycine max

<400> 35277

agctcggtgc attgagaagg atctctgtcg agttggaagg acttcacttt tttagtgggt 60
 ctcaactctcg actttgcttt tatcaaactg agttcagttt ctcccaagtt actattgagg 120
 gaggcgcgatg ctaccgattg tactttgggc tttgctacce ttttcccttt agcaatcttg 180
 aggcttacaa tataacattc cattccactc atttgatcaa ctctgatagt gataattttc 240
 ccactctcac ttgggaactt catcgctaga tgcggagttg aaatgatggc ccctaactcg 300
 ttatgtgaag gacatcttat caatatattg gaaaaagtca aggcgtcgac taaaaagtac 360
 ttgatcatga tggcctctga cccctcttca tctttgaaag tagtttagcaa gtgcacatat 420
 cctattgtgc tcattgtctc tact 444

<210> 35278
 <211> 444
 <212> DNA
 <213> Glycine max

<400> 35278

tatgacctgt acgatacaca agttccctaa gctctgagtt cttatgagtg aaagaggttt 60
atgtatgttt gaccaaatta tcacacaaaa ttagatgact cgtgatgtta gtatctgtcg 120
taagttgtat tgtttagaga cattgtatctt tctaatagata tggagatatt ttaaataggtt 180
ttgacacgtg ccacaatgta catgattgtc ttgtctttga catatgtcgc aaccctagat 240
aacattgcat acatcgaggg tggctcttta ctacagaaat gtcttttggg ggtgctgcct 300
tgattggtgc cccctatgga tgatgactat tgaagcagct cttggagaat gaaagacacc 360
attaatgatg aatttcttct acatacgtac ttagatgtga agagttgtat tgatgagatg 420
ttactgttgg ctaggggaaa tgaa 444

<210> 35279

<211> 397

<212> DNA

<213> Glycine max

<400> 35279

agcttaacaa gtggaatcag aggaaagtct ctatggcagg ctttaattact ttaattaatt 60
ctgttctgac agccttgctt ttattttatc tgtctttctt caaagctcct tcagcagcgt 120
tagtgaggct gacttcaatc caaaggaatt ttttgtgggg aggaggtgct gaagggaaaa 180
agatcgcttg gatggcttgc gatcatatat gtactcctag aaatcaagga ggtttgggta 240
tcaaagctat caaggatctt aatagagccc ttcttattaa atggaagtgg ctgatgtttc 300
accaatcaga ccaattgtgg tgcagaatcc tcatttcaca atacacacga tggagagggc 360
tggaagagaa ttcccacagg cagtctcatt ccttctg 397

<210> 35280

<211> 591

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35280

cgcgactct caacnacacc acacacgccg tcaagtacga actaatagac tatgcgacac 60
aacaataaac tatacacagg aaaaaaagga gggntcctgt agacctcgct anaacgncac 120

actatataat acacacgctt cagcagcagc attcagcacc tacgagcaga tgctttcacg 180
 gtctttacta cgagcacacg cgcatagaga cgtgaccta ccttcgaccc aaatgaacca 240
 caactacact acctcacaaa gcctccgacc tgacgaacga actaactcac taacacggac 300
 catggatcaa agcagaacat gccacgcacc gcgtcctcag tacaataaaa caaggagacc 360
 acaaccatcg gacgacaaca caaaaccaac aatcggacaa tcaaaaacac cgggctaaga 420
 ccctgacaac gcggaacgac aagcgccaca ataagccttg caataaaaaa gacatacagc 480
 gccgcacacg gaagaccaat acatgcagca atgaaaaggc gaaaagaacc gaacgatgac 540
 gccactccca accttaccca tctctataac ggcgacgctg cgactcacac c 591

<210> 35281
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 35281
 agcttgctct aaatatttgt catgggtcac aatatgtact tatgaccgct gaactccttt 60
 gtagatgata aagcacgaca cgaagggtcc attgtaaaag gataccttat gcaaaaaatc 120
 ttgacatatt gtttaacata tctagatgaa aatgaaacta catggaatcg acctgctcat 180
 gtagatgatg aaccaattaa tggctctaca catggctaac aagtagttga cttatttcct 240
 ctagttggaa aaccaattga cgactcttca tattacaccc tcacacccaa agaaaagtta 300
 caagctcata gacatgtgtt aacaaatcgt cctttactcg attcctat 348

<210> 35282
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35282

tgtataactc ttaaagataa agagtccaag ttgtgtcttg atatttatac tagtggttaag 60
 gaaagagcta ttctttctcaa gaactttcaa gaggttgaaa atagacttaa agatcttcaa 120
 aaggatcagt aggagctgaa tgaacttcat gactatcaaa aagaagaaag atatgatcta 180
 tggtgagaat gcacacaagc acacaaagat tatgaaaacc tcaaaataag taaaataatc 240
 tttagggtgga atgtgaagaa cacaagagat ctgtgaaatt cttgaatgat aaacttttga 300

agaatcaaca atttgaaggt caacctcaag atgttgtcaa acttcatgag gaaattagaa 360
 ccttanaaac tacattagcc aaacttttta atggaaccga taatcttaac aaactgttag 420
 gaaactgtag aagttcctca gaccaatttg gaaat 455

<210> 35283
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 35283

gcgcctatga cagtggcaag ccctgaacga atgattcttg cctatgttgt ggcgggctag 60
 tcgcacagaa ctacctcgtg tcaactatac tcagagatgc aatctgacac cttatgacac 120
 atatcaggta tatattgtca tgactttcaa gacatactta ctgtggcctc gagagattca 180
 ggactgacca ttgcccatag tatgaacaca tctgcctac tgcattacgt ccatacgaag 240
 gctccagtca cgagttctct gctaccattg caccacgaca cagtg 285

<210> 35284
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35284

agctntctga agtnttctag ttttccaaac cttgaaaact tgtgctattc atcttttcat 60
 tctcttctcc cttagccaaa aagaattcgc caaggactaa ccacctgaat tctttctgcg 120
 tctctcttct cgctttttcca aaagatcaaa gaactaacca cctaaattct tttgcgtctg 180
 ctttctccct tatcaatgaa ttcaaaaacga cacagactga gaattctttt gattcttccc 240
 tttccctaata acaaaagtgt acaaagaact aaccgcctga gaattctttt gtatgcacat 300
 ttacaaagta tgagagggtt aaccggctga gatctttgtc ttaacacatt ggagggtaca 360
 tcctttgtgg tacaagtaga ggggtacatct actagcgttt gactgacaac atgagagggt 420
 acatctcttg tggatca 437

<210> 35285
 <211> 445
 <212> DNA

<213> Glycine max

<400> 35285

tgcagaattg gtcttcgcca gtgaaaggat cgatgtgtgt tctgattaaa acgcaaattt 60
gatcacccta ctaggacgac tgagaaaact ggggcaaata aagaggggtga ggataatgga 120
gaaacccatg ctgtgactgc cattcctgta cgaccaagtt tcccaccaac ccaacaatat 180
ctttactcag ccaataacaa accttctcct taccacccgc ccaggatatcc acataggcca 240
tccttaaata taccacaaag tctgtctacc gcaattccaa tgacgaacac caccttttagc 300
acaaacaaaa aacaccaacc aagaaatgaa ttttgcagcg agaaagcctg tagaattcac 360
cccaattcca gtgtcctatg ctgacttgct cccatatcta cttgataatt caatggtagc 420
cataacccta gccaaagggtc atcaa 445

<210> 35286

<211> 347

<212> DNA

<213> Glycine max

<400> 35286

agcgtttaca gctgtacaaa attattatat cttcacatat ctcaaggcac aacgattaca 60
atgagattaa cagatacatc cctatatgtc taacaaatta ctgttgaagt aacaagttgc 120
tggaacgatg tgtgtctttg cactgtacgc ggattatagc tatggagaaa gatttttcta 180
tgccctataa ccagctgcct accaacataa tacatggat ctgtaattat gacacaaaaa 240
cctgtgggag aagctgttgt acttgccgat gcgaatcgcg gatcgagcag tctgttacac 300
agactgactt cttatatata gtagcacatt catacctata gtgtatc 347

<210> 35287

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35287

ttgattgtcc atatgcaagc caattgtggg agctacactc atttgaacaa aacttcatga 60
attatacaaa acacttatcc tttgcataga tactacatga atcacgtttg catgcttgat 120
tctaaatgca acaaggattt ataaaactgc aaaacctata ttttagctag gttcatcaca 180

tttatcagca tgtttttttt agattttaat ctgacacatt ctattagtga tgggcaacac 240
 aaatccatac atagtcatgt gacacgtaat gccaaatctg gacaagataa ataattttca 300
 caagttaata ttaacgataa tattttatctt atncatgggtc aagcaaata tagagctgaa 360
 ttgctaatag taagacaaat gaagtctgta tcatacatag gcttcaatgg ataaattcct 420

<210> 35288
 <211> 233
 <212> DNA
 <213> Glycine max

<400> 35288

atggcgctact catcacatgt ggcactatgt ggcagacggg cgatggcgca caacatgatt 60
 gttcacatac acgaacagcg cataatccca acattccctg ttgccacct ctcaactgag 120
 ctgatgtact actacggaga ccatatccta cgatctctca acaccgggac cctatcaatc 180
 atttcaagct tctcatcat gcaaagcaa catcattcaa acagaacata cta 233

<210> 35289
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 35289

gtaatatgcc ctcttccac ggcggagatt tcttctctg ttattgagag atagctgttg 60
 gcagtgatat tattgaccaa ccctatgaaa ccttctaccg agatgtcttg ggccacgttg 120
 gcctcgttca aaacttttat taccagagcc cgatgaggct cggagctcat gagtaactcc 180
 aacagcgaga cctggccga ggttttgttg agctgctga taaccttgaa ttggctctgc 240
 tgaattatac ggaggaattc gctggcttcc tctagcgaca cctcctttat accatccttt 300
 ttctccggaa gacatttcgc cggaatatct ttattcgaag cgaggggtat tcatcatct 360
 tgttctcca ccattttgct atccacttga cgttcgcggg ttggactggt aggtccggag 420
 gtgcaaacac acgagcgcta 440

<210> 35290
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 35290

acattttctg cttatattga ttatcacaga gtggtacctg gagatatcga gccggctgtt 60
atgaaacctt gcggacttcc agtggtgtgc tattgcaaaa aaccatcttg acaattcgac 120
cacccgggca ttatggactt gacaacctgt gatgtacctg agcatgctat ctactggcag 180
tcaacagatt aatagaactt agaccacacg gcatggatgc ttgagtgggc tggccatctg 240
tgaacttaga tagacatgtg ggttatggcc tgtggtaatc tattaccatc gcgggcgat 300
cgacaacaag gctcagacag gactaccgga cgctaataat ggctctggta attgatacca 360
accggtgtaa accactgctc ggctgaaca ctagtcacct atctaggga cgctctgct 419

<210> 35291

<211> 584

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35291

cctcctaccc tantcccaen cacgacacgc cctcnagact cgatataaag tacaaagcac 60
aancctacac gacaaaaacc gaaagaaatt gttgactgca atcnctcgnc gnngcgcat 120
anaatacaca agcttcgccc gtgtcgcgct cacgaccacg ggcaaaccgt acttctttta 180
ttattcacc ccaagagtgcg ctccggatgc gcgttacaca agatacatga tcaggactgc 240
tgctctgacg agtcataac caaccacata tcaacgcacc gttgccatag ccaaacacgg 300
gtcaccacta ggcccgttgc ggagcaacgc tattgaaact acacctgca ctacatgcc 360
atcaacacta cactctctaa ttcttacgag gactcgctgc acgaaatatt atgcgataac 420
aggactatac acattgctca gaaggcctag cccctctcat gcttaaagga ataaactgaa 480
gaatatacgc ttacgaaccg cgtagagact atcattcaac tgaggatttt cctcagccca 540
ccacaatgat caggtctgga ctatcctaca tataaccgc tccc 584

<210> 35292

<211> 432

<212> DNA

<213> Glycine max

<400> 35292

tgtgaccgag tccatttttt tttattaaaa acatgtttgt tcgaatattt gaaaggaaaa 300
 aaactttaaa agaagtcaca tgccttatta ttttaagaga ttactttgtg tagcctttat 360
 gattattttg agaaataaaa gttgaaatta atattaattt ctaagtaatt ctcgttataa 420
 tt 422

<210> 35295
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35295

cgcttgagct ggtatctgng ttaaaaaana attcgcatth ttctttgttg gagcaattgg 60
 gaagaatgag cagtggcaga tggaggcagc tagatacctg aactgtggag ttctgtcctt 120
 tcctttttgca tacttgggta tccccattgg ggataatcca agatgtagtg atctttggga 180
 tcctatagtc agaaaattcg agagaaaatt agcttcttgg aaacaccaac atatttcatt 240
 tgggggggaga gtgacactca taaatgcagc cctagcagca atccctatct actttttttc 300
 ctttatttagg gtaccttcaa gagtaatatc cagattggaa gcaattcaga ggcaatctct 360
 atggngagga ggtatggatc agagaaagat tgcttgggtt aattggaaaa cagtctacaa 420
 tccaaaggat atatgaggac ttggc 445

<210> 35296
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35296

agcttgcttc tacagannag aaatctcaag gatcgaggt cgcttgggga ctggatgtag 60
 gcacgggttg ttgccgaacc aatataaaac tcttggtgtt gttttcttct tccatacact 120
 ctttaatttc cgctgtgcat tttaattatc gctattactt ttgggttaagt tttgtttttc 180
 tattctttat tttctcaact ttgtagtaaa agcctaattg aatttagtaa cattaagaag 240
 gatagatttt taattagtaa aggtctatta ataattaatt caacctcccc cccccctcc 300
 ttcttaatta ttctgaggcc acttggttga acaagtggta tcagagcagg tatctttag 360

aaagttaa cacttcaaga ttcatggcct cttcaaattc tttgtttcct gaaggaaatt 420
ccatccatag gccacctatc ttcaatgg 448

<210> 35297
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35297

atggaagtac taagtattta ttacctatac ttaacagaaa atacttataa cacaacaaaa 60
taaccataaa ttggaagagt ttgatacaat ttacacaagt tttatacaca aaagttagtc 120
gtgttcaccg actaacacca tgcagcgcaa agggaagcat ctcgtgccaa tccttgtatg 180
acacgggtcat cttctgaact atatcttctt gatattntta ttagcggcct caactgcctc 240
attcatctta agccagtaag gcatggaatt atgggtgtag atnttgaaat cctcacacat 300
ctccttcac ctccttgcac atcttgttgc tcagattggg ggcattgaag gtgataattt tccttagcaa 360
cccatatcgg caaattatct cccttntgat gaaactaatc ac 402

<210> 35298
<211> 438
<212> DNA
<213> Glycine max

<400> 35298

agctgctaaa agtataggaa gcaacattag tattgcacta ttccattccc ataaaaatag 60
gcgttgttca cactgtctaa gcataacaat agcctgccca ttacttctag caccctata 120
ttaaattccc tatgctatcc ttctttatct ttgaatagtc attccgcaca tgagtacgta 180
ttttgaagta tctattttgg aatatgactt caatattctg caataagtct tcgaattacc 240
tatacacttt cggaatacct attatagaat atgactttca tgtttcaaaa taattattct 300
aaaaataggt ttccaaaata tatacacact tcccaacata gttattctag acatatgaaa 360
atcatatttc catactacgg tggaaaattc gaagaacgat ctcaagtga agcggctatg 420
gattcatacc aataacat 438

<210> 35299

<211> 302
 <212> DNA
 <213> Glycine max

<400> 35299

tatgttaatc aattagactt tatccgtatc cttgtggatg tataccttga atactgccat 60
 gtagttgttg aacatgggtt ctagtaatgt aattccaaag acacctcttg agctgtagac 120
 aaataggata cctactataa tgcacctgca tgtatggggt tgccaggcag atataacgat 180
 ttataatccg caagaaagaa aattggatgc aagaacaatc agtggatatt tcattggtta 240
 tccagaaaag ttaaaagggt gtatgttcta ttgtactact catagatgag aactgacaaa 300
 ct 302

<210> 35300
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 35300

agctctcaac cgttcttcga cgttcttcat tctttcttca tcgttcttct atcttcaacg 60
 ggtaagtacc tcgaaccaag cttttcgatt cattctatgt acccgtagtg gtccacattg 120
 tgtttcgtgc atttttattc tcgttttggt tactttttat accccctggt gacgtgctta 180
 agccatttta cttaagtcatt ttctcgctta acttaaaaat aaaataaatt tccaccgaac 240
 gtttgaattg tattatccat taacttcggt taaaataaat tccgaccgtt cggtcgtgcc 300
 gtaaccacgt tggaaatcaa aaagaggtaa aaaataatat aataatcaaa aagacatctt 360
 ttagtaaaat aaagcggaaa atcaatcgga cgttttctct ttgggatttc tcattcttaa 420
 tcgaatcgat taataactaa agt 443

<210> 35301
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35301

tctctctcta actctcactc tcacttagag aagggtgggaa ctctattagg cacgcatgct 60
 ttgcattggt gaaaacggat aacaaaggat tacttctttg tgtattaccc atgtaaaaaa 120

gtcaactttt tgatgataca ttcattccaaa atttcattga caatttcctc caactacgtc 180
 agcaacaaac ataggaaatt ttttgttgac aaatccgtcc acagatgcc a cgcagaacat 240
 tccatttgct ttgacagaga tatttaattgt ttggactaaa ttgtcgcact ttccttaaat 300
 ccaaggacaa tttttttttt tatcttttca gtactaaagt gttactcat taaaaattca 360
 gggattgaag tgactaattt atacttaatt ntgtaggctg tatacttttt acttataatg 420
 gttcaaatcc tctaatactc aatgtttaac aa 452

<210> 35302
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 35302
 agctgtgccg tgatggtgca tttgaaattg gtgattgggt ttatgttcgc cttcgtccct 60
 accgccagac gtccatagcg tcgacttaca ccaagctttc caaaagattt tatggcccat 120
 tccaggtact ggatcacata ggcccagtgg cttacaagct tcagctgcc a ctttcttccc 180
 gcatacatcc agctttccat gtatccctct tgaaaccgca tcttgggcc a tccctgacta 240
 caactgccac attgccatct acagggaaca accaccaact cttggtctct cctttatcca 300
 ttctggattg gaagtgggac cattcatctt cccacactaa caagaaagtc cttgtttagt 360
 gggatggctt agcatcgaag gatacttcat gggaactatg ggacaagctg cgtgttgctt 420
 atgaccttga ggac 434

<210> 35303
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35303

ntgatgaaag tgcagtctga aggtagccaa atacgccttc tatgcttaac gaagttgggc 60
 gttaacacat gatcagggtg gtctgctggg ttgcgatgaa ccttctccct taaagtgatg 120
 aagtcattat gcgactgcaa ctcttatag agatcttcaa gaaacacaaa atgaggcatt 180
 gagaggatga aacatgaggt actaggtaat tctgaacatc gcgataacgc gtctgcaacc 240

atattagttt tgcctattcg atattgtata gagtaatcaa atcccaacaa tcgtgccaaa 300
 tatcagtgtt gttccagcgt ttgaatggcc tggctcatca attctttcaa gcttctatga 360
 tcagtcagga ttataaagtg gtgccccata aggtattgcc tccatttctt aacagcagtg 420
 gtaatcgtag tgagttcacg aacataagtg g 451

<210> 35304
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35304

tgttagactg tttcatataa gatatggaaa caaacaata ttcttctata tcgcangtct 60
 cccagaacag gtcagaactt tgaacatat atgaatatga tgatgactat gaaactgata 120
 ttgattccaa taaagcatcc atgtactctt taagtttcaa ttttgtaatt gcaccttcca 180
 ttctgctttc tggaaacttc tgcccgttct tgaagagtat taatgtcggg agtccataaa 240
 ctttatactc ttaaattact tgccgggttga catcatgata aatctttaca accgttaatc 300
 tgtcttcata ttctgcaag ttattattat aaaaaataat catgggtccag gggagacaaa 360
 ttaagatcct aaagatcact tgacaatagt tcttaggaaa atcatactat ttgtttcaca 420
 ccatgctatc cccaccatat atagcctata 450

<210> 35305
 <211> 282
 <212> DNA
 <213> Glycine max
 <400> 35305

ctcattgagt tcttatggct atagagaacg agcaaagatc cgcattggtga tcggcgaacc 60
 aacatagacc actgactctt gcaacatggg cagatgcaca tcttttagatt catggcgagc 120
 atgagttact atggtgacca ctgcatcaag agttccctca agctatttat tatccgatca 180
 tgaagatgaa acgagggcca cctgatggac tctcgatag aaaagagcat catttcttgc 240
 actgaagtgt agggagttgg aagccatcct ctcaatcaaa tt 282

<210> 35306
 <211> 408

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35306

 tcaagctgac agagacttca gaaagatgta taatctcatt cttatctgng agctctcatt 60
 gataatttgt acatctattc aagcttactt acttcacaat gtctttgaac atgctgtgtt 120
 tttttttacca tatacccgac tcgaaatata ctgctaaatg tatgtcttta tgaaaattag 180
 tccatgcat aattagaagg attaagccat ctatagctta agtgccacgt tctaatagcca 240
 aagtattatt tggagacaat atttgtattc atatgaactt gttacccttc ttaggtcctt 300
 ctctccttga atgccattgt catggccacc ttggctgact ctgtacacta tggctgactt 360
 atatatatca tcaaaccact taaggcacia gcacatgttt tatctcac 408

<210> 35307
 <211> 494
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35307

 gcacaacgtt tgaccgttga acctttgana cattcgagat ccttagaggc acctgaagca 60
 tgcagccttg cagccagagc ctcttgaata tgtatcacgt ttgtcaaata agccttacgt 120
 ttcacagcta ggacgtcctt gcgattagat cgacacaaaa agagactcca tactctcgct 180
 cgagaaatta ttccatttgc gagaggatcat ttcattgact aagctccgag cgtgatttga 240
 tgcattgctt ttacctgttg gtcgcatgtt ttattaacac ggaggagaaa gtatgaacaa 300
 cactgatcta ttaatttcaa gattatcaca ttgaacatat acaccctgtc atcggagttt 360
 ccatactgca taaaagagat gacatcgccg gttctaaacc actacagaat gattcacacc 420
 ctctcgtgca cccgatctcc caaggtagca actttgagat gtgctgagga gacgccttta 480
 gaaagtgtcc ccta 494

<210> 35308
 <211> 365
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

<400> 35308
tctcgatatg ttatgcgtct gaatcggaca tgcgagtgtg gttttgtgat catnttaata 60
tcccagagagc ttccgttggt caatttctag catctcgata cgctatgtgc ctgaatcggg 120
catgcgagtg aaaagttatg accatgtgaa tttctcgaga gcttacgtag ttaaatttct 180
agcggcatga tacactatgc gcgatgaatct gacatgcgag tgaaaagtta agagcatttt 240
aatttctaga gagactgcga tgggtgaaagt cgagcgacat gatgtgtcat gtgcctgaat 300
cggacatgcg cataatacgt tatgaccata tgaatctctc cggagcatct gtcgtgcaat 360
tacta 365

<210> 35309
<211> 336
<212> DNA
<213> Glycine max

<400> 35309
agcttgtcag gcaataactgg cttgctggcc tttgtgtgat gtcaacgaca ccaaaggacg 60
aggcatgcag cctgctatga gaagcctatg gaactcaagt gctacacagt cgaaagcagt 120
gctaagaaag cctccatcag ggcgagcact atactccttg acctgcagct catgccatat 180
tcacaaagac atcttcacat tcaacaggta aagctcattg gtgaccgagg tgcgctggaa 240
gagactcaaa ccgtacctca accaaacaac tgtaaccgg caactatcag ggagaagctt 300
cgggtgcttg tcaagctacg ttgcgcctga cacata 336

<210> 35310
<211> 424
<212> DNA
<213> Glycine max

<400> 35310
tgatttcttg gcctgcttgt gctccttttt cgggtgttctg tttatttcag tgcctttagg 60
ccttggaata gcgtaagat aggaattcct taatctgctt cctgccatta gaaacctaaa 120
attcattgta tgctaatact atgtgtttta tattactgac ttcgccaaaa tcttcagggtg 180
gcaatatcag tcttcaagat cttgcttcat gtctctaggc caaacacact ggttttgggg 240
aatataccag ggacgccaat attccacaac ctataccaat atagagaagc tttgaggatc 300

ccttcattta tcattttggc tggtgagtct cccatctact ttgctaattc aacgtaccta 360
 caagaaaggt tagataaagc gacttgtaga ttggcgattt gtgaatgctt actacatttc 420
 aaat 424

<210> 35311
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35311

agctntgatg gtgtcgagaa gatatcacat gtttgtcatt atcaaaaaag gagagaatgt 60
 gaatgtatgt atacatgatt ctgatgacgt caaaagaaga atcaaacaag gctcattttg 120
 cttcaagatt aatacaagat tgtttcaata aacaaagcct tgattcaaga tttcttcaag 180
 atcaagcctt gcctcaaaat gaaaagattt caagtcaccc aaggcacatg taatcgatta 240
 ccaaggcaca tgaaagtgtg caatcgacta cacatcatat gtaaggcgcc atacctatac 300
 tggagtgatc gattatacag gagtgatcga ttacacatta ggtcctaagg caatgctctc 360
 actacaatct acccaacata gaggtgtcct acatcttcta ccatacaatg cctcgtaagg 420
 cgccatacct atactggag 439

<210> 35312
 <211> 449
 <212> DNA
 <213> Glycine max
 <400> 35312

taaaggagta ctcatagctg gtgtattttac cccaagggtc tataactctaa agagtctgtc 60
 agggcctttc tcttctaatt taggaccaat ccaaaaaaca ttttaacaca tagactctat 120
 ctatgaacta tacaaaatac acaaactcttc tattgttctc aaaataattt taactcatcg 180
 tgccctcaaag tgatcaactt tggtgggtta ccatagtgga tcccatcaca atactcgttg 240
 cacattaact cgtcgccctt aaaggggtctt acaatccatt gattgtatga ttcatagctc 300
 acaactcaat gcacacaaca tctcaatata catgtgatct cacaatttaa cacatagtca 360
 atttgtcact tacacacaat tcatcacact ttcataatcc taatacatca tgttatcaag 420
 cctcatgcat catatacata tcacacatt 449

<400> 35313

<210>	35314
<211>	427
<212>	DNA
<213>	Glycine max

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ctcttgtaat	tcgaaaatct	taacacaaac	atcttcaagc	tttatataga	ctttagagct	180
ttgatccggt	gagagatatc	aagtagccat	tgtctaatag	cttgagcatt	ttacataagg	240
ccattactat	acagagaaag	tgtgggaacc	acaaacactt	tttgtagcat	atatttagag	300
aagtacaacc	tgctagtgtc	atcttgtgct	cagagctgac	tttcagtgca	caaatcaaat	360
gtaatgttaa	caacatatga	caaanataat	taagaatgtc	aagacangat	cattaaatct	420
tcctttt						427

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<223>      unsure at all n locations
<400>      35315
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 tttacctgtt gttgcagatt tttataaaca tggaagagta agtatgaaat agactgtcct 240
 attattttca agttaattac ttcttacata tataccatgt caatgtactt ccactactgc 300
 aaaaatgaaa tacaacgacg gttcttaagc acattcaaag atgattcana accatctttg 360
 aagccaacat cgtcgaaagt caagactttn gaagatgggt cctaacaaac ctccttagaa 420
 aaatgtatca tt 432

<210> 35316
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35316

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 attcaatacc taattcacac agtaaactcc actcactctc tacatattan atattctcaa 180
 tgtataacag atattntttg tgacactgga ttccattccc acgtcttatt ggtagtatta 240
 tagaagatgt gcagtaatac gggtagtctc ttgacatgtg tataccgtgt acagctccca 300
 taaaataaag agtaccacat aatcatatga tcaatttcac tgattctctc atgcttctat 360
 tntatctttt ggtgaaatat tcctttgctt tnttcgaatt ntacactccg agagaaatat 420
 aaatcctgat aggctag 437

<210> 35317
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 35317

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 gaatcatttt ctattttctc atacaaaggt acatgtgctt gttgaaatct gtccctgcccc 180

aaattgcaaa tcátgtcttc tatacgggtat cccatgtcta catcgactga ctcaggggtga 240
gagactgatg gcttggttgg caattcccca tgccatatcc attttgtgta atttggaatg 300
atcctatgac atatattgac tgggtgtctcc tattcccaca ttttacgcat ggacagaaaa 360
atttaccocg cacacatggg gcattgagtt tagtaaattg gaggaattgg tcaactctat 420
tctcatactc gtcactgat 439

<210> 35318
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35318

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ttggacatct gttgagtatg taaacagcag tgtagactgc ttcagcccag aatgtgttag 180
gtagtccctt ctccctgagc atcgatctag ccatctccat aactgtgcga ttctttctct 240
cggacactcc attttgttga gaagaatatg cgactgtaag ttgtcgctca atgccttcat 300
cctcacaaaa tctttcaaac tcgcgagagg tgtactcttt gctgcgataa cttcttagta 360
cttttatccg ttttccactt tgattntcag caagggcctt gaactttttg aataactcaa 420
agacttctga ttnttcttt 439

<210> 35319
<211> 442
<212> DNA
<213> Glycine max

<400> 35319

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ggcgattttc caccatgcag aaggcatcat cctctaggaa ataaggcatg gaagaaggag 120
cttcaccatc aagagagtgt cttggataag aagctcatag aggaagcttc aatggaggaa 180
aagaaagaga gagagggagg gagcacgaaa ttgaaggagg aaaagagaga gagaagttga 240
actttgaagt atgtctcaca agactctcat tcatcaaagt ttaaggtagt caatacatag 300
caatttaagt tgcattggacc atttaagttg gctcaciaat cccacacatt tgaaggacct 360

aagcttaata catagcaatt cgaagatttc tatatatatta acatgtgagt aggggtgtgat 420
 aaaaccactc tacacaacat gt 442

<210> 35320
 <211> 367
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35320

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 accctcaaga gaatgctcac aatgcacata atgaccagga tgcacagtat gcctaattaa 180
 tctatgaaag gatctatcta tttcaagatc aaagggttgt aaatcaccta gaatgacgct 240
 agtcatgcac tatatgcagc anataatgtg tttcttaaca agcacctaac aagggggtaa 300
 aactacaact atactcagac gatatcataa tgagcttata ttttgtgagg aacaccctat 360
 gatcatg 367

<210> 35321
 <211> 436
 <212> DNA
 <213> Glycine max
 <400> 35321

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 cattgtcaat gcggaaggta ttctgcgctt cactatccat gttcacacat tattgcagct 180
 tgtgggttacg tgatcatgaa ctactatcaa tatatagatg ttgtttatac aaacgagcac 240
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 tctgatgacg catggacact tatccctgat ccaactacaa ttcgtgcgaa aggtcggcca 360
 aaatcaacaa ggataagaaa tgagatggat tgcgtcgaac cctctgagca ccgacacaaa 420
 tgtagtagat gtggag 436

<210> 35322

<211> 417
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35322

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 acccataacg gtcagaatgg tcgacgcata tcaaagccca gagggaaagg tcatagaaaa 180
 tttcacagtg acgttacttg ctggaattgt gacaagaaag gtctctttat caatccgtgc 240
 atggcaccat agatgaacaa gtcgcacaat aacaagaagc acgatgatga tgaatccgca 300
 tatgcatcaa ctgatgaact tgatgatgca ttatttgcag ttggatagtc ctgttgatca 360
 tggacatgga ctaggtgtgt cgtttacact actcctctaa agattattgc taactat 417

<210> 35323
 <211> 433
 <212> DNA
 <213> Glycine max

 <400> 35323

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 gctcttgacc ttgacttgat agaacctctt ttttaagcaaa ggcgtttgac ttgatcccat 120
 gttttactaa agtgaaacaa aatctaacgc gaatcagaac tccgacatct atcatgggtg 180
 gaatggatga atgcgtgaag aaatgcgtat gatatagatg caatttatga acacgggagc 240
 ccgggaaatt gtctccttct tagatacaac gtcttggggg agcaaagtgt ccgacgtatg 300
 tatttaagaa ggtgacacgg accctccgtt ggtttgccaa agacagggga tatagacaga 360
 acccgtgcat gatgcatatg cgaaaggcac aacactggaa tgtacatatt atgacaatat 420
 tcacaaaata taa 433

<210> 35324
 <211> 453
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35324

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tctccccctt tttgatgatg acaatcctga aatcaagaca agctatatac aagatgatag 120
cacgttcaca cagcccttac tccccatatac ttttggcatg tatgcctaac tttaatgatt 180
tttaattgatt ttaattgatt tctaaccctaa gttctctccc cctttggcaa catcaaaaag 240
aactaagcaa gacaatcaat agctaaacag agccaaacat taaacaaaaa taagtccata 300
cattgtcata accaaccctaa gcaaagtcca gaaatataat aatagtgcga gattacgata 360
actagagcaa caaatagcca aataaacggc gataaaccaa aagtactaat aatacttaat 420
cactaataat acttagtcac aatacttaag cta 453

<210> 35325
<211> 442
<212> DNA
<213> Glycine max

<400> 35325
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ataatgtaga agatagtga tgtgagcctt ttaccctctt gaaaggcttg tatttaaaaa 120
tgtttttaaaa atacttttaa ttaaataattt gaatttttat tcctttatta atatatatgt 180
gaggggtaga ggatgtcaca caaggcatat ttaatgtgag ccttttttta ctttattgtc 240
cactcctaac catgcaaatac aatgggtgagt tgttgatcta gtttcttaaa taatagtatt 300
ataatgggaa cacacatgaa taaacaatat ttcttatact gtttcaacta cgtgaataag 360
gatccctcta gtttaattaa ttagtgctaa taacttatac gtgtaacgac tacagctaga 420
acctagaagt tgcatgcctt tt 442

<210> 35326
<211> 522
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35326

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ctcctgncgc accaaaaaaa ccagccgcag gcacgggacc cagacaaggg ngcgaccctt 120
cgtcgcgcca cgatgacaat cggcaaaagg cgacaccgag acagccagaa cacctcaagc 180

cccgacggc caccagcgcc agaaccgacg tgccccaca cagcccacac gcatcaacct 240
 accacaacac gggccgcacc atacccccaa agccaaccga ccagggcagc aacacaacac 300
 cgcaaacgca ccaaagaaac acaacgcaag acagaccggc atacgcagag aaaccggac 360
 ccaaaccxaa ccaaagcac acccttgaca gcaccagacc ccaacaccaa gtacctgcat 420
 gcaaaccacg acacgaccga ccgaccgtca acggaacagg aagaactaca ccaacagccc 480
 gcgtctgcac gagggacagc agaaaacaac acagccaccc cg 522

<210> 35327
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35327

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 gttggcatgc tcaccactgt ttgtttcttt aggaaactcg ccataactaa aaaagcgcaa 180
 aggcaccctt ataacaccgg atccaaaagt aagatgggta aggaagaggg agtgcaagaa 240
 cagatgaagg tcgacatgtc ggctttaaaa gatcaatggc ttctatgacg gagggcatgc 300
 taaaaattca aaaatcaata gaagacaatg ctacggcggc cgcttncaac acaactaggg 360
 aagcggaatc ggtgctacaa cccgcaatga act 393

<210> 35328
 <211> 438
 <212> DNA
 <213> Glycine max
 <400> 35328

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 caatctcaaa tcaatgttcc ttgtttataa ttaattagag gttactatta ggcacgttgt 180
 ggtgtaactc tattaataat acacatgcat ttcacattct atcaataata cattttctaa 240
 ttctctgagt tcctctcttc cgttattatt atgttctatc atgtttctca acattttctca 300

aaagtcttag cacctataat aattaaagga ataaatttaa gaatataatg cttatgaaca 360
 gcgtatagac ttttattcaa ctgaatattt ccttcatcca aaaacaatta ttatttttgt 420
 acttttcttt taagtaat 438

<210> 35329
 <211> 429
 <212> DNA
 <213> Glycine max
 <400> 35329

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 aataacatcg cagatggcac atcaacttca gagtgaagaa gtaacctgtg taaccaaaca 180
 ctttcactat taacacacga caagacacga tattcagcta tagtggatga ttctgaaaca 240
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 gaagtggatc ttctagtatc aacacaattg gcccaatcag catccggaca ggcaactgagg 360
 tcgagagagt tctgagcacg gaataacaaa ccttgtccag gagcacattt gatatactgc 420
 ataagatga 429

<210> 35330
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35330

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 aatatctaca gaaggtgggg ggggtgaatt aacatatcac aatcttttct aaattaaaaa 120
 ttctattttg attctaacc atataccaag atttctttca aaaatgaact cctaaataat 180
 tatgcaaatt aatcttacta aatagaaaca ataagcaata tacaataaaa gagtttaagg 240
 gaagatagat tgcacactct gatttatact ggtccggcca cacccttgtg cctacgtaca 300
 gtctccaaac aaccgcttg agagtttcac tatcttgcaa aagcccttta caagttctaa 360
 accacacaag gacaaccctt cctttgtgtt aaaattcttt acaac 405

<210> 35331
 <211> 187
 <212> DNA
 <213> Glycine max

<400> 35331

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 ccctttcctt ggtttgaagc tcactacaag ccttaagtga aaaaccatga tatcaccata 120
 tccttaagga attttggagc tttggaattg ttttggaat aagtgtgtgt gtgtgtgggg 180
 gggggggg 187

<210> 35332
 <211> 494
 <212> DNA
 <213> Glycine max

<400> 35332

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 tgctgcctgc ctgctagctt gtgaccacac aagatgctct atcatctctt ataccgtttg 120
 accactcgca tgtactacag gacgaggttg atcatcactg ctatccaaga ccatatactt 180
 ggctccttga tcatctagcg agcaccatta cgtaacctaa actctgcttc ctcatatatc 240
 ataagtggaa gggaggaatg catgaacatc tgcacatgat atcgatgcc ttattttaaca 300
 cgggaacccg gtatatcagt tgatttgata gacaacattg gttactcaca tagacggact 360
 attgtttatg atagcgacac agacactcac tgctttaaca agacgcttat atagaagaac 420
 tcttgcaaat catatgttat agcacaaaact gtaagtcatg gacgaagtat gccaaaaaga 480
 gctcgcgagc atcc 494

<210> 35333
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35333

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 aacaagtttt ccacatccac aaatcgaca taaaccacaca atcccctgtt gccacctcc 120

aactgagctc acgtactccc acgtagccca tatectcggt tctctcaaca ccgggtcccc 180
 atcaatcctc ccaagcttcc ccaacatcca agtaattcaa cattcaaaca gcacaaacta 240
 tcacagccaa gaaaacaggg caaaggcaga aaactctgcc caaaacacca accaaaatca 300
 cagcttttcc cacttaaaga cccagtaac atttccttcg ttccaattcg ttaaccgttg 360
 gatcgactca naaattntac tggaagtctc tagtacataa gcctacattn tgaccgttgg 420
 gatttgctag caaatatcca gaaatcattc t 451

<210> 35334
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35334

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 actaagcgca cttccaagaa ttcanaaccc gtaaaagatt ggcgcttagc gcttctgac 120
 ccgctaagcc cagcttaaaa actcaagtta caaaatggat caagggctta gggcagcata 180
 gcacgcttag cgctgctaca ataaaaat tcccgagaag aagtgggtgt tagcgcatca 240
 tccacgctaa gccactggt taaagttcaa ttaccgcaaa gatgtggggc ttagcacagt 300
 gttgtgcgct tagctaaact attcaaccaa ccaatcaggg gtctatgcgc ttagcgcgag 360
 caagcttggc ttagcgtgtg aagactaagc gcttagcgga tagacaatcg caaaaaaatt 420
 tctaagtc 428

<210> 35335
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35335

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 tgtcatcatc tttttctccg tcattgaggt gccacttgag ctgccaggtc tctccacctt 120
 tgggcgtatt cttttgaaga atttgtgcc ctttttgca catgttttgt agttgcatcc 180
 tatccgaagc cattataccg aactgccta acgaaggcaa ccattaggtc ctcccaggaa 240

tggactcggg aaggttccaa gttagtgtac caggtaacaa ctaccccagt aagactttct 300
 tggaaggaat gtatcaacaa ttctcttct tttgcgtatg cccgcattct cgcacaatac 360
 atcttttagat ggttcttggg gcaagtaatc cccttgtagt tgtcanagtc cagcaccttg 420
 aacttgagag gggatgatgat att 443

<210> 35336
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35336

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 gtggtacctg gagatatgtc gcgnggtca ggagaccttg gggacatcag gtgggggtgct 120
 attgccccaa accaagcttg accaatctcg acccaaccgc ggcatagtcg gtcagtgaga 180
 acctgtgatg tacctaaaca ggcgagctcc tggcagtcag cagataaaaag gaacaaagac 240
 cacatagcaa ggaggcttgt ggtggctggc cagctgtgaa acttgattga tatgtgagat 300
 atgggtctctg gtaatcgatt accaaggggtg ggtaatcgat tacaagggtt aaaaatgaag 360
 acaggaggct aagatgggtct ctggatcatg att 394

<210> 35337
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35337

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 ccgagtacat tggatttggg acgacctgac cctctgatt tccagctggg aaattggcga 120
 gtggagggaac gccccggcat ttacgcaacg agcataatgt aaacctttac ggttttataa 180
 gctctatagt tgggcctagg cttagagat ttctctattg ttaaggcttt gtgtcttttg 240
 tttttgaatt tataatacaa ggatctttct tcatctgttc ctacgtctct accattctc 300
 attcatttgc atgtttactt ctttttctga aatggcagat ccaatgacga gtccccgaa 360
 ggtactaata cctgagaccc gcctatcgac ttca 395

<210> 35338
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 35338

gtcgctgca gcatgcaagc tctgaggagt taacaatatt ctcattgttg catcatcgga 60
 agcgaatatg tgaatgtatg tatacatgat ctcatgatg tcacagacga atctaacaag 120
 gctgcttcat aggataagca tttgcttcaa gaataattca tgattgcttc aacaaacaaa 180
 gccttgcttc aagattcact aatgaccaag ccttgcttta taacaaagtg ctttcaagac 240
 atgcagggtc ctggtaatcg actatcagga tgcgtcatcg accaccagag gacagggtcg 300
 agacatactc gatgaacacg ctctgaactt gactctctac ctgtaatcga taccatatgt 360
 ctgcactcca ttaccatcaa cggaactttg gaactctaca ttccaaagtc ataaccc 417

<210> 35339
 <211> 590
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35339

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 aaaacganaa atttgtagct gcatccntag cnannacng aactatanac tactcagctt 120
 ggagcgtaga agaaactact gtaatggcat cgttattatc tatgtatgag caacaacgca 180
 ttacagctgc gctaagaatg aacatcacac tttcacttct tctcttatga gtgtactcgc 240
 attatagcta ctcccgtaga tctctggtgc ctacagtatc cttctacaaa cttaagttga 300
 atctttaccc aatgaccttt ccacgaagct aacgccttat tctgtaagac tacatcgat 360
 tctcgcatat gcgaatcgga attcgatat cgacagtcac acaatatgca tgcgtgtaac 420
 gtatactcaa ctaacctcct tagaacacaa gatgatactc ggtgttatta ccgctaggta 480
 cactcatcat atccgagctt ttagctgaat gagtgctacg ccaaaactac ccagatccat 540
 ntcttctttt gctaacgcga ctgatccgag agggcgaccg acgatcgacg 590

<210> 35340
 <211> 435

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35340

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 tcaccgctcc ttggcatcac cattcatgtg gttggacttc taagacgtgc ttcacaacaa 120
 ctatgggtac cgccatgagt gcaccgtgac ttaatgtcag agtatttcct cgtcagacca 180
 ttgatgtaat ggtggagcaa ctcagatgga gagatggagg acatctcaga tctgaaaggg 240
 gaggaagaag aagggataaa aagagagaaa aaaaaaaaaac caggggaatg tccggaaagg 300
 gggggaaaaa aaaaagagaa taagtcaaag aaaaaaaaaag aataaattca cggtacatgt 360
 catgtcactg atatcttcta tgtgactata tataacttgta tcaactgacat tatgagaaaa 420
 aaataattta cagat 435

<210> 35341
 <211> 447
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35341

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 caaaagatgt aactcttcaa atggtttttg actttttcaa attggtttca agttttttta 120
 aaagtcataa ctcttctaaa tggctcctct gaccagacat gaagagtcta taaaagcaag 180
 gctttgtttt gcattttata acaatccaat caatctaata caatccttta ctaggcttga 240
 atctctntga acttcttctt cttctttgtg ccaaagctt tccaaagttt tctggttttc 300
 taaaccttga aaacttgtgc tattcattct tttcatctct tctcccttg caaaaagaa 360
 tttgccaagg actaaccgcc tgaattcttt ntgtgtctct cttctccctt ttccaaaaga 420
 acgaaggact aaccgcctga attcttt 447

<210> 35342
 <211> 430
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

<400> 35342
 agctntgcag atttgggtctt cgccagagaa aggatcgaag tgggtctgaa aagaggcaaa 60
 tttaatcatc ctgcttgggc gaatgagaaa actggggcaa ttgaagaagg tgaggatgag 120
 ggagaaaccc atgctgtgac tgccattcct atacgaccaa gtttcccacc aaaccaacaa 180
 tgtcattact cagccaatga caaacctctt ccttaccac caccagtta tccacaaagg 240
 ccatccctaa atcaaccaca aagcctgtct accacacttc caataacgaa taacactttt 300
 agcacagacc aaaacaccaa ccaagaaaat gaatttgcag cgaataagcc tgtangttca 360
 ccccanattc cgggtgcata tgctanactn gctcccatat ctacttgata ctgcaatggt 420
 agccataacc 430

<210> 35343
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35343

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 atgggnngac agnaattgat tagcccatga atctctcgg gagccgtaca cacttcgggc 120
 atggcttttg ctttggctaa tagacgctgg aggtcttgac ttccattcaa ggtcaaggcg 180
 aacctatcca tccacatagt cgcttcttga tgcaatgcat caatcacctt cctctcttgc 240
 tcttttttgg cgtacacttg tgcaaaatcc tccgctagct cttgttcatg ggtcacagac 300
 tggttcaact cttccttgta ttgccctatg atagctagca tgctgtgctc tgcggttcc 360
 aagtgttgag ccaaactcct cttggacctt ggcacgcag ctaactcttg ttttaagatc 420
 atgccatg 428

<210> 35344
 <211> 412
 <212> DNA
 <213> Glycine max
 <400> 35344

agctctgatt atatgggtctt caccgacgaa aggattaatg tgggtctaac aaaaggcaca 60
 tttagtcac ctacttacac cactgacaaa actggggcac aagaagaggg tgaggactga 120

agagaagccc gtgctgtgac tgccattcca atacagccaa gtttcccacc aacccaacaa 180
 tgtcattact cagccaataa caaaccttct tcttaccac cgcccagata tccacgaatg 240
 ccatccctaa tatcaaccac aaagcctacc taccgcactt ccaatgacaa acaccacctt 300
 tagtgtaaac caccacacca accaagacat gaatttcogag cgagaggggc ttagaattca 360
 ccccaagttc agtgtcctat gctaactatg ctccatattt acttgataat tc 412

<210> 35345
 <211> 246
 <212> DNA
 <213> Glycine max

<400> 35345
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 gaagcccga tcatgcgc atatatcg gaccctcgaa attgctcatc aggaagccct 120
 caagaaagac aaatggtgat aactcttcaa acggaagtc caatcacgag catatatata 180
 tcgagaagct tgaaattgaa caatggacgc tcttcagaaa ttcagtcagt catatctcat 240
 cacacg 246

<210> 35346
 <211> 281
 <212> DNA
 <213> Glycine max

<400> 35346
 tcgaacaaca gaagctacga gaactacaat ggctcattata tgtcacacgg aagtcgatt 60
 caggtgcata atatatcgag acgctcgaaa tacaacatcg gaagctctcg agatattcca 120
 atggtcataa cttgtctcac ggatgtacga gtgacgtgca taatgtatca agaagctgga 180
 aattgaacaa cgaaagctct cgagaaactc tgatggtcac aacttgctac acggacattc 240
 gacacacgcg cataatatat cgagacgctc gaaattgaac a 281

<210> 35347
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 35347
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 attattaaga tgtaacaatg tgatgaggaa actaaactca acaaactttt tgctttagg 180
 gtctacctat tatgcaaact ttaaccctca agtctcgacc atgaaataaa cagtagaggt 240
 gacagaaagg ttgggatggc tnggatgcaa aaggtaacca natccanaga ccnagctggc 300
 aacctatatg gacacacgct gacaagccca ggactctntt ttattccata tacatncgaa 360
 attgtttttt tttttctctc tctttgggta ctaatgtatt ttgatgtgca tgttcagcat 420
 caat 424

<210> 35348
 <211> 488
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35348

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 gcatcagacc tgggagatgc agatgttgat gaagatgaat gtcttccagt gtttcttgcc 120
 acctgaaaat agcatcacca gaaaattctt aaaatttcaa ctttcatata agcagagcta 180
 gtagagtagt caaacaccat atcattttct tagaaaagag tttataattt tcatgcactt 240
 agtgtaaaga gttttacatt atcaacaaat taaaaatcac tctaagaatg acttttctaac 300
 aatcttatca tatatgacaa cttgtgactg aatgatgggtg taaaattaaa ttggtagtat 360
 attatagtta aaattctata aanatgatca ggtatttgct acccaataat atagatcctc 420
 cacaaaattg anaatgatca catccattgg ctgccactca ataagatacc aaagcaactg 480
 acaacact 488

<210> 35349
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35349

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ccacaactat gacgttttgt ccataaggat ggagctagtg gntttctcca tattegcatg 360
gtatcatgcg agcccccttc aacctanacc atttggtcac ccactaacac tctagaaata 420
gcat 424

<210> 35352
<211> 405
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35352

agctttgagg aaattcaaac gacaataact tttgactcgg atgtccgatt gtgtcccgt 60
gtatctcgag acgctccaaa ttcaaaacag aagctattag aaaaatctat ggacgataac 120
tttttacacg gatgtcccat tgagtcccat aatatatcga gacgctcgta attgaaaaca 180
gaagcgctga ccaaattcaa acgacaataa cttttgactc agatatccga ttgtgtcccg 240
taatatatcg agacgctcga aattcagaac aaagctatta gaaaaatcaa acgacgataa 300
ctttntacac ggatgtccga ttgagtccca taatatgtcg agacgtttga tattgaaaac 360
tgaagctctg agaataatca aacgaccata acttttaact cggat 405

<210> 35353
<211> 470
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35353

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ggttgaatth gtttagagct tatgttttca attacgagcg ttttgatata ccacgggaca 120
caatcggaag tccgagttaa aagttattgt cgttagaatt ttctcatagc ttccgttttc 180
aattacgagc gtctcgatat cctacgggac acaatcgaac atccgagtca aaagttattg 240
tcgtttgaat ttgtcagag cttcagtttt caattacgag cgtgtggata tattacaaga 300
ctcaatcaga catccgagtt aaaagttatt gtcgttttga ctttaataga gcttctgttt 360
tcaattagag cgtctccata tattacgaga ctatattaga catccgagtc aatagtatgg 420

tcgtttactt tcacagagct tgcgtgttaa tttgagcggc cgatatatat 470

<210> 35354
 <211> 424
 <212> DNA
 <213> Glycine max
 <400> 35354

agcttctggt ttcaattacg agcgtctcca tatattacgg gcctcaatcc gacatcggag 60
 taaaaagtta ttgtcgttag aatttgctca gagcttctgt tctgaatttt gagagtctcg 120
 atatactacg gaacacaatc ggacatctca gtaaaaagat attgtcgttt gaatttgctc 180
 agagcttctg ttcttaatta cgagagtctc gatataattac gggattcatt cggacattca 240
 agtaaaaagt tattgccgct tgaatttgct caaagcattc gttgtcaatt acgagcgtct 300
 agatatatta cgggattcat tcggacatcc gagtaaaaag ttattgtctt tttatcttgc 360
 tcagagcttc tgttttcaat ttcgagcacc ttgatataat acatgactca atcggacacc 420
 cgag 424

<210> 35355
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35355

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 atcgagacgc tcgaaattca aaataaacct ctcagcaaaa tgaaacgaca ataacttttt 120
 actcgaatgt ccgaatgaat cccgtaatat atcgagacgc tcgtaactga naacagaagc 180
 tctgagcaaa ttcaaaaagat aataactttt tactcgtacg tccgattggt tctgtagta 240
 tatcgagacc ctcgtaattg aaaccagaag cccgtagcaa actcaaacgg caataaattt 300
 ttactcggat gcccgatga atcccataat atatcgaggc gatcgtaatt ganaacagaa 360
 gctatgagca aattcaaacy acaataactn tntactcgga tgaataccgt aatatatcga 420
 gacgctcgta attganaaca aaagctctga gcacattcaa acgacaata 469

<210> 35356

<211> 413
 <212> DNA
 <213> Glycine max

<400> 35356

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 atttttcttca cggaacaat tgttttcacc caaaacagca gttgaagacc gaagaaaacg 120
 aataacgaac gatgaatgtc gaacaacgat tgaaaatctt cgcgtaatta cccacggaaa 180
 cgttacggaa gtgcctcggc ttggattttc ttcacggaaa caatctttct catcaatttc 240
 aagagaatac gaagtaccaa gaaggctgaa cctctcctt cttcattcct ccgcctatct 300
 atagcaaaat aggggaggag cttgcacca gccacccagg cgagctcact cgcccgcgga 360
 gctaattggt cttcgaaca accgcttctg aggaagatat gaaggccgag tgg 413

<210> 35357
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35357

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 ttggtatcaa gtattggatt gcgtactttc atacgatgaa tctaagagag gtgtccttta 120
 agagacatcg atacatggta tctgctttat ttttctcttt gcagattgtt agttacatgc 180
 atgttgcggt tcatatttta cacagaatat ttcttctttt acaacttgtg agtgtcatcc 240
 attttatcac ctgggtggaat aagtactgga ctccacatga agaaaggaag cagaggtaca 300
 cattatttct gcaataattc atagataaac ctgaagtcaa attttacatc ttgttctgag 360
 gatgaaggga acatacttga cttctgaatc agaattgtgt acacggtatt tgggtgttga 420
 taaatagact aaagac 436

<210> 35358
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 35358

agcttatata ggaagcttca aaggagaaac aaaatgagag agaggggaaa aaagtgacat 60

055707-907460

gggaatgaag gaaagatggg gaaagaagtt gaactttgac tcgtatgcaa tatcatactt 120
 cgagagttca attgaccatg tcatcatttg tctgactaac tcaggcttgc gtaatatctt 180
 gcctattggg caatcagttt gaacagtgat cttgtggctc tgaaagtatt gtcgaaggta 240
 gcaagcggcg ttgaccagtg tgagggctac cttttccatc acctgttacc tcgtctctag 300
 atcttacagc tcccgactta caaagtatat cgacctctgc tatcttctt cctcttctat 360
 caataccacg cttatggcct cgatcgagat cgacaggtaa acaatcaatc tt 412

<210> 35359
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35359

tataagtgag gcctngtgag aggatttgct caaacctctc tatatcagta cttgtagtaa 60
 taaagctgac actactacta ctaaggcaag gataagatgc agcatcgacc aaagctntct 120
 gaagaacaaa tctgttaagg gtaccacgga acttcttgaa cagcatgtgt ggaggcccca 180
 gagaggggtg ccagagcgtg cagtggcaat tcttaaagcc tggttatttg agcattttct 240
 tcatccgtat gttagtctct atctatgtct cttattaata tatttcttgc ttcgtgactc 300
 tcttttctgc attctaaaga gacatttga ttgaattgtg tgcttttttt gctgatgttg 360
 aatatctctt tcattaccct acagacactg attaacacat gct 403

<210> 35360
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35360

cgctngtaat cgattaccgc gagctgtaat cgctacaata agctccctgt ctataaaagc 60
 tgcatttctc ttccttgccg aaaacccttt ctctctcttt ctcttgatg acgcccaccc 120
 ctctccaaac ttcagatctt cataactctc tcatttatta tccaaatcac ttcaaacaaa 180
 gctcagatctt cttctttttc aattctctac aaagcccgcc gatcaaaatt tgctgaaaca 240
 agctacaatg gcagaatcct caaagaagag aaagggatcc tctccacca ccaccactgc 300

aggccaacgc cgccacggca catccgatga cccaccaaca tcaaatectc cttccttttc 360
atctcccacg tcattaactg ttgcttcttt caatgaccag cgcta 405

<210> 35361
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35361

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atatggaaat actatcataa ttgcaattg tcattaacac tggtttgga agaataccgc 120
gcttttcaat ttgtcattg attgtctttt ctttggaatt atgttacata catagcagtt 180
ttgcttctaa tgtttgatct aacaacttag tcatgtcata acttttgtn tgaaatatta 240
ttcctcattg tgggtttgca tacactacta aatactggac attctatgtc gggtatttag 300
gacattctaa atcggntatt aaccattgtc atagacaacg ccgtanaata ttgcaccta 360
cgatgatggt taccatttta gaatgtaat 389

<210> 35362
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35362

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gatgtttcta ttgaagccat tgcagccctc actcagtatt acgatcagcc actaagatgc 120
tttatgtttg gggactttca gttagtacca accgtggagg agtttgaaga gatcttggga 180
tgctgtctac gaggaagaaa accatatctt tttctgggt tctatccttc catggcgaga 240
atagccaagg tagtcaaaat ctcggtgcaa gaattggacc gagtaaagca taatagatat 300
ggcgtggctg gaataccgag gaagcacttg gaggagaaag cgaaggctct ggccgatcga 360
ggtgaatggg cttcgctcat tgatgtcttg gcactattgg tatttggagt cgtcctc 417

<210> 35363
<211> 432

<400> 35365

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gaggaataaaa aaggggtcta ttgcatata aattatatta aaattgataa gactttaaac 120
atgtacctat taatcagctc ttgaatttca aaaaattcct caatagtgtg aagattctat 180
gtgtgtccac accgagacta acctctatta tcaactactt tgatgagcag aatagaaaaa 240
atttagaaaa caaaccttaa aatatttttg tgcttgtgta ctgagtgaag aggaagaaaa 300
aatgataagt gtttntcaac gtgcaaagaa tataataata ttctacttat aaaattaatg 360
aattatttga tcaaattaaa ttctctaatt taatcatcan atattaaaat agtttcttta 420
atagacatta gagcattcgt tggatatga ccccatangt tcaatactaa gccataata 480
tattaatc 488

<210> 35366

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35366

agctnttgat ggatctttgc ttctgaacac tctttctcag ggtttatttt tcgtggggtta 60
ttgattaata attaaaaacc tgatccaagt gtcctctat aacattgcta catgagtaac 120
tcgttggttg attataatat ataaccttaa atgtccttga aaggagttgg actaatggat 180
tgttttattg acctgtggaa aatatggcat cgctgttcat atagnnttgg gaaaacactt 240
cttaatttcc atggcaacac gaaataagtc attttattca cgttctgcta ctagatgtta 300
acttaagaat aaatataaat aatactatca ccagtatttt aattacaata ttatcatatt 360
gtaattaaca tattgggtctt catattataa atactgatct attgattatt agtaatatgg 420
ataata 426

<210> 35367

<211> 460

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35367

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gatagaggca caagagcatc aaagtgtctc aattaattca gagtatgcag atgcaaaaag 120
gcttaactgc agttcactag taatagattt gcagtttaca tccccaccta tacctgtcga 180
tattcctgag agaaatagaa gtcaaaataa ggaagaactg gttttattag cttcaaactc 240
ggagtcacat gtttcccaag aaggacatgt tgggagtatt actgatcata gcttgttggt 300
aagtactaaa gctgaggggtg gtactgtcat ggtaaataaa acatgggtga agaatagcag 360
ggcgaaagca acacgagtgc atctcaatac taaacctgct gttggagtgc ctctcaatag 420
catggggaaa gcagcaagag tgcattcttan tactaaactt 460

<210> 35368
<211> 429
<212> DNA
<213> Glycine max

<400> 35368
agctctacat atttgtttta atatctatat cggcataact gcactgttaa aggtcaatca 60
gtagatgcac attatgttga ttcaaccagt atgtgttctt gccatgataa tgtgccgctt 120
atgaagattt gtcgccggcc cgaaaccgat tatcggttac agcaacttca tgctgtgaat 180
gaggcagcac ctgtggatca gcagaagact ggcattggatc cagcatcaaa tgtaaatgcc 240
gtgaggggcta ctactactga aacagtgcc aagcagctga ttgcagcaaa cattcatatg 300
gagacgacgc cagttccagt tgtgcaaaca aatgttcttc aacaacctcc acaaagtatg 360
gatattgatg tggatcataa gaaagctgac acaattgctg atgttcaagc tggaaattcc 420
atcatcacc 429

<210> 35369
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35369

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cctcggaagc aatgagaat agaggggaga tttccaatcc nagaataaga gaaggagaat 120
ttgcactgaa tgcagatcaa gaaaagaagg agaattcccc aatcaaagag tgcgataaag 180

caacaaaaga taagaaggaa aattccccc aa tcaaagagt ggagaaagca aaaagaagag 240
aaaggaaaat tctcaatcaa agaattgggag atagtaaaaa aggaagaaga agaaggaaaag 300
aaagctcctg atcaaggatc gaaagaaaac agaagatatg tgcagagagg tctttggacc 360
ggacaatatc tgaacaatac agaattgcac caaatgaacg aaaanagaag gagagggaac 420
cacgacctaa aatagtct 438

<210> 35370
<211> 422
<212> DNA
<213> Glycine max

<400> 35370

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caagaagaat taaatctagc cacaacccac gagcataaag tggcggacga gtatgcccgga 120
gtgtacgcgg aaaagaaggc tagaggaagg gtgatcgact cgttacatca agaggcaaca 180
atgtggatgg accaatttgc tctaccttg aacgggagtc aagaacttcc ttgattgcta 240
gctaaggcca aagcaatggc ggacacctat ttcgtcccg aggagatcca cggacttctc 300
atctattgtc agcatatgat agacttaatg gcccatataa ttagaaaccg ctaggaagtt 360
tgactggcac tcagatcttg actagttata aatttttaaa taaaatgagt ttatcccatg 420
tt 422

<210> 35371
<211> 489
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35371

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agacactatg ctagatggca caccatgtaa tctgacagtc tcaactaatgt acaggagggt 120
caacttctct aaggaaaacc taatattgat ggggataaag tgtgtagatt tggatcaatct 180
gtcaacaaca acccaaatag aatcaaaacc tttgggggtc ctaggtagtc ctacaacaaa 240
atccatgggg atactatccc acctccactg nggtatctct aatgggtgta acttacctga 300

aggctctctga tgttctatct tagccttctg gcagactaaa cacgtataca caaactcggt 360
aacctctctc ttcattgttg gccaccanaa cattatcttt agatccggat tcatcttggt 420
agcaccaagg tggatgctca nngtgctcct atgaccttcc tctaagatca tcttcctatg 480
ttcggcaca 489

<210> 35372
<211> 407
<212> DNA
<213> Glycine max

<400> 35372

agcttagact gagttcatcc taccatctc agactaatgg ccaaactgaa cggaccattc 60
attcggttga ggacctttta agagcatgtg tcttagagca gaagggaagt tgggagagtt 120
ttcttcatt gatagagttc acttataata acagttttca ctctaccatt agcatggctc 180
cctatgaagc tttgtatgat agatgatgta cgacaccct atgttggtta gagcccgag 240
aaggcctcac cttatgacca gacgtggtac aacaaaccac tgagaaagt tagttaattc 300
aggaaaggat gagaactgct cacagtacgt agaatagtta tcatgataag aggaggaaag 360
aattggaatt cgacgttagc gatcatgtat tcttgagagt cactctg 407

<210> 35373
<211> 496
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35373

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ccaattaagt ccaatgaggc aaagtaaaaa ttgttggttc aaaaagaata aagggtggga 120
aatgcaaac aactttgtca cctcaggaga agctttacat gatgaataaa aagagaaagg 180
aaagacattc ttgccttata ggaaaaagt gattgggatc tacgtcaaca ttaatggatt 240
tagtaggatc cttagtactt tttgatatcc caattctaca ttntttcact agttttggat 300
tgttttatct gctcatgata aaacaatttt ttgggtaa atccatgta caaaatttgg 360
tgtttacaac aatatcattg tttgaggatt ttnttttgc ttagaagaaa acaagagtn 420
gcaattccct aggagataaa tattttgtgt aatttttagt tatatcatat ctacttaca 480

accctanata tctact

496

<210> 35374
<211> 361
<212> DNA
<213> Glycine max

<400> 35374

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tttttggtgg taaagacggc tttatcccat caatcctttt tctatatcta tcataataat 120
gatccgggct cctttgaata ttttacagga aagaatctat ctcacctgta atccgatatc 180
gcaatcccg gatgtgaccg ttttatttca tataaattaa ttccttcttt tatatgcgca 240
catacaagag atggggttagc cgtttttttc ttgcacaaaa gtaaattaaa ccattatcac 300
cagtttagcg gctgtcgcca ccttcttcta cctctaccat atcccatcac tgccacaatg 360
c 361

<210> 35375
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35375

aaataactgt cataaggcgt gaacctatgc atactaccca tcatatctct canaacacta 60
taccacgaa ccattatgtg agatgatgtc taccacaaacc tgatattgta agtgccacga 120
tgagagatg cgctacacga ctccgaacat ggctttcttt cgcgattggg agcagacatg 180
gtgtacaaag gttggagctc tgatggagct tcaatggcga tgaagaagaa aggaatagca 240
acgtgagaaa gagagggaga atagcttctg aattcttggg gctgagtgag gagagagaga 300
acg 303

<210> 35376
<211> 426
<212> DNA
<213> Glycine max

<400> 35376

agcttatgcg catatttcct tacgaacggt cacttgacaca agacatccta ttaactaaga 60
 aaaatgcacc catatacaat caaggtagct tcattaccta gattatttac atgtacttcc 120
 aagggtgtatt tgttacttac atcacacaca tctccttggc tgaatttaca tacatgcata 180
 ctcaaagcat tttggggtag caaaaattgc acatgcgctc atcttgggtat ttctaatacc 240
 tatacatata caaacttcat gatgaatctt gactacctac acaataaggt gctacatttc 300
 atgctttttt ttcaagtttt tgctacctaa agccgcatgc aaattcaagc atattttcct 360
 tcactgacta aaattgtatt caaaataaaa ggtatatatc tctttgtaat atgctttcct 420
 cacata 426

<210> 35377
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35377

tgatcatgat taccagagga cattntcaga aaattatttc tatgagtcac aacttttcaa 60
 atggctctta catggccatc aaaggctctat ttatatgtga cttggaacac anatttgctc 120
 acaatttttc agaacaaaaa ggttttatcc tctcaaaaag caaaatcttc ttatcctctt 180
 aagattcctt ggccaatata cttgcaattc aataaggatt tatttgagtg ctcaaattgt 240
 tcaatctatc tctttcaaga gagatttctt cttctcttca ctctaattct canaaaggga 300
 ttaagagacc gagggctctt tggtgtatag aaatctgaac acanaggaag gattgtcctt 360
 gtgtggttca gaacttgtat agggatttac aagatagtgg aactctcaag c 411

<210> 35378
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35378

agcttctata ttagctgaac cattatatca ataaacacaa gttgagtttt attcagaana 60
 ttagagctta tctcttttat cttagtgaaga gtgattctcc taaattcttg agtgattcaa 120
 gaacaccttg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180

agtgattctt tccttccttt catcatcacc cttgttcttt caaccacaaa ttccaaaaaa 240
 tccacctctg cccagaatta tctcgtggcc ataacttcca ttttacgcac tcaaattaag 300
 tgattcttga gcctaaattg aatttcaata cgagaccttt caactcgttc tggaatcacc 360
 tcatttggag cccttgtagc ttccagtatt ggcatactta ta 402

<210> 35379
 <211> 342
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35379

gtggttntca attacgagtg tcgcatatc ctacgggact cttttgacat ccgaatcana 60
 agttattacg tttgactttt cctagagctc ccgttttcaa tttctagcgt ctogatatat 120
 taaggggctc aatcggacat ccgagttaaa agttattggt gtttgacttt tcttagagct 180
 tccgttttca attttgagcg tctcgatata ttacagggtc cgattagaca tccgagttaa 240
 aagttattgt cgtagattt ttctcagagc ttccgttttc aattacgagc gtctcgatat 300
 tctacgggac tcagtcggac atccgagtca aaagttattg tc 342

<210> 35380
 <211> 392
 <212> DNA
 <213> Glycine max
 <400> 35380

agcttcatcc tcagatccct cttgttggac taggcttaat ttagacagcc ctcatagggt 60
 tagactaact taaactaagc ttcgtccgca gatccctcat ttaagtctag gctcagctta 120
 catagcttac gaaagtttag actaatttaa cttaagcttc gttcgttagat cccttattta 180
 agactaggct tagatcaaac aacattattg taacaacata tttgaaatca aaacttaatc 240
 cgcagatccc tcatttaaga ctaagtttca atcctgcttc aatcatgttc taaggttagca 300
 gtacatttcc caatgctaaa gtcacctaac tatgcacaca aatgggtgat cagaccaaga 360
 gcatatagaa ttttaagcact cgaagaagca tt 392

<210> 35381
 <211> 368

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35381
 tgtccatgaa aataagatat tgaagtatgt catttcaatt tctgactacg tgaactggat 60
 catttttaag atccaacgcc ttaaaatgat cacctcttat gttaaagata aaaatcactt 120
 gataagcaag aactacgtag gtctgatttc ctcatcacia ttgatgatac gtaggagcat 180
 aaggcccgc tttgttgacc accccgagag atcggttaat gtccaacgcc ttaacgtttc 240
 tctcctttct gaatcaaaag atcggttaac ggtccaacac cttanatgac ctttttgttc 300
 aatcagaata tatcggtgcc aaagatgaat aaacaactta accaaacact cttgtccgaa 360
 agaactac 368

<210> 35382
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35382
 agcttccatc atgagatatg atgtagaacc actccatgta gtccaataca cactgtccag 60
 gagcaatata aatctgaccc accggtgcaa ggtatttaga aaactaaatc tatctatcat 120
 caatatcttc tatagataaa gatggagcaa caaggtgtgg aggaatggtc tgcacataac 180
 caaattgtca caaccctctt tagcagtgtc gtctcgaaca tcttcgngc ccgaagcaaa 240
 aactaaaaaa gggaccccta aacaacggaa acgtatttca taaataattc attgacaaaa 300
 aatttcatga atttataaat tcaaccaaca aaaaataaac acaaaactct tgtatattat 360
 aaagttcacc acaataaagt taataattct tttccagatt tctaaaagtt ggtaagcccc 420
 tc 422

<210> 35383
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35383

cttgaattta taatacaagg atctttcttc atctgttcct ggtctctacc cattctcatt 300
catttgcag tttacttctt tttctgaaac ggcagatccg atgacgagtt ccccgaaggt 360
actaatacct gtgacccgctc tatcgacttc 390

<210> 35386
<211> 419
<212> DNA
<213> Glycine max

<400> 35386
agcttctcat agaagcttct caaggaagtt tctcaagaaa gcttctcatg gaagcttctc 60
aaggaagttt ctcaaggaag ctacctaggc tataaataga agcatgtgta acactttttg 120
taactttgat gaatgaaagt cttatgagac acacttcaaa gttccacttc tctccctctc 180
ttattccttc aatttcgtgc tcccccttc tctctttctt atctctcatt aaagcatcct 240
cttcaagatt cttatccaag gcacattctt ggtggagaag ctcttcttc catggcttat 300
ttcctagtgg atgaggactc cctctcttc ttctctttg ccttccgctg catctccatg 360
gtggaaaatc accattgaag aaccgcattg aagctcacag atccagcctc catagaagc 419

<210> 35387
<211> 318
<212> DNA
<213> Glycine max

<400> 35387
cgaagtgaga gagtgtggaa gagtcagtct tctactttt attcgttgac cacagagtgg 60
tacctgaaga tatgtctcga gggtaagag accttgggga cgtcaggtgg tgtgttattg 120
cccaaaacca agcttgacca atcccgaccc aaccaggca tagtcagtca gtgagaacct 180
gtgacgtacc tagacaggcg agctcctggc agtcaaccga taaaagaaca cagaccacaa 240
agcaaggagg cttgtgtggt ggcattggcag ctatggatct tgagtgatat ttgggttatg 300
gcctctgcta atcgatta 318

<210> 35388
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35388

agctcttggc acaaagaaga ataagaagtt cacagagatt caaggcttgt aaaggactgt 60
ataagattga ttggaaaagt gtattaaaaa gcaaatcaaa gccttgcttt tatagactct 120
tcattgtctgg ccaagaggat catttagaag agttataact tttagaaaaa cttaaaacca 180
atttgaaaaa gtcaaaaaac catttgaaga gttacatctt ttgattttatt cagaaacaat 240
cactggtaat cgattaccaa atcagtgtaa tcgattacac aaaactttta tgtgaaagga 300
tgcgactctt cacatttgaa tttgaagttc aacgttttaa ggcactgata atcgattacc 360
anaacattgt aatcgattac aactttttga aatcaatggg agcgttgaaa ttcat 415

<210> 35389
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35389

ntcggacaat gaagaagaag aagttcaaag agattcaagg cttgtctatg attgattgaa 60
taagtgtaaa aatgtattta aaagcaaadc aaagtcttgc atttatagac tcttaatgtc 120
tggccaagag gaccatttag aagagttata acttttagaa aaacttaaaa ccaatttgaa 180
aaagtcaaaa accttttgaa gagttacatc ttttgattta ttcagaaaca atcactggta 240
atcgattacc aaatcagtgt aatggattac acaaggcttt tatgtgaaag gatgtgactc 300
ttcacatttg aatttgaatt tcaacgttca aaggcactgg taatcgatta ccacaacatt 360
gtaatcgatt acagcttttt gaaattaatt ggaacgttgt agattcaata tgaaaacttt 420
ttcagaacaa ttctgctatt ggtcatcgat tacaacaatt tggtaatcaa ttaccagaga 480
gtaa 484

<210> 35390
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35390

agcttatgcg catatttctt tacgaacgtt cacttgcaca agacatccta tcaactaaga 60

aaaatgcacc catatacaat caaggtagct tcattaccta aattatttac atgtacttcc 120
aaggtgtatt tggtatttac atcacacaca cctccttggc tgaatttaca tacatacata 180
ctcaaagcat tttggggtac caaaaactgc acatgcgctc atcttggtat ttctaatacc 240
catacatata caaacttcac gatgaatctt gactacctac acaataaggt gctacatttc 300
atgctntntt nttttttcaa gtttttgcta cctaaagcca catgcaaatt caagcatatt 360
ttcctttgct gactaaaatt gtattcaaat tagaaggat atattntttt gtaatatgtt 420
ttcttcacat 430

<210> 35391
<211> 405
<212> DNA
<213> Glycine max

<400> 35391
cgcatcatcc cgtttcagat tctatacaac gattaatata gattgtttgc attaatcggt 60
gtattgaatc ttgaattgtc cgtttggaac gtttggaag actaattttt aatagtagat 120
tattatgtat aggttaattc tcttttctta aatttgtcaa catttcggta tagttcattt 180
ccctttgttc ttcgagttca tagttgaata tgggtggataa tgatatgcca ccactttcat 240
gttgtgtact tggggactta gccgaaatgt tgccgaaatt ttgacaaata tagaaaagac 300
aattaacttg tagcattcaa tctactaata aaaaatttct tcttgaatgg gttatggcca 360
cacctttaat taacaaagtg agggttacat gcacgtatat aactc 405

<210> 35392
<211> 360
<212> DNA
<213> Glycine max

<400> 35392
agcttcaggc tgctcaattg ctccaggatg ctgcatggaa gggcaaaggt ctgtatggtg 60
gtcagcagag gagcacaac cacaaccct tgcgacaggt acagatttct gattcaaggc 120
cagctgggtt accaagttga ccaacgcac cagtttgctt tcaagcttct tagtttcaga 180
tgatgcagat gggttttag ctacctcatg cactcctcta atgactatgg catcatttct 240
ggcgctaaac tgctgggagt tggaggccat cttctcaatt aaatatctgg cttcagcatg 300

<400> 35395
 ntgagccaca atcctgactc accatatacc tttgacccag gtgttaatgc caatccttac 60
 cctcggaagc aaaanaagaa tagaggggaa atttccaatc aaagaataag agaaggaaaa 120
 ttttcaatga aagcaaaaaa gaaatgaagg aaaattcccc aatcaaagag tgggagatag 180
 caaaaaaagg aaaagaagga gaattcccca atcaaagagt gggagaaagc aaaaagaaaa 240
 gaaaggaaaa ttccaatca aagaatggga gatagtataa aaggaagaag aagaaggaaa 300
 gaaagctcct gatcaaggat cgaaagaaac cagaagaaat gtgcagagag gtctttggac 360
 cagacaatat ctgaacagta cagaattgtc accaaatgaa cgaaaaaaga atgaaaggga 420
 accacgacct caaatagtct tctcc 445

<210> 35396
 <211> 512
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35396

tcgcgctcta cctacctctc ttcccactaa tataggagta ctactatgta cacactatta 60
 ttgtaataca aaacanncat acagcngnng cctgatgcat catactcacg gcaacagccg 120
 gaccgggacc ttagatcgac tgcagcagca agctagaaaa tttatttccg ctgttatact 180
 ctgtaaagag ttgttattgt ggcacttatt ttcccattca taaagctaata agaaccacct 240
 aaactgctct aggccataat ttaaaagact gtactgctaa gtgattcatc ctgaatacga 300
 aaactcaagt ggttgaaatg acaaagaca ccatgcaatt aattgacctg aaatttcaat 360
 tattcataat gcaacaaaga aaactaccg acatcctctt agcgaaaagg cactaccac 420
 ttttgggtga ccataaaata tcatactgtg gcctattcgt aactaccatt aaaatacatt 480
 ttaaaccac tgtcttatcc atcaatcata cg 512

<210> 35397
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35397

tgacatacaa taagaatgtg actaacttgt tgttggcatt cctgataatt actgaatttt 240
gcattttgtg aaaccaattt ttgcgtcctt gagcagtgga aacccttctt ttaatgttgg 300
ttttccttta actaatgttg atattntaac ttggctctgc tgtgtgaagt tgataagaat 360
gtagtgattg ttaaaggatt tcactagggt cggttcagtg gcatgcacct aagtctc 417

<210> 35400
<211> 490
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35400

ggctctanat ntacattgat gtttgtattt atgggaggag gttatatgcc attnttgctt 60
taagagtagt atcccactgg taaaattaac ttccaaatg ttgccttcg caggaatggc 120
cccgaggaag cttgcctcat agagggtccag gaaggacaag gcggccgaag gaactagttc 180
cactccggag tacgacagtc accgctttat gagcgctgta caccagcagc gcttcgaagc 240
catcaaggga tggtcgtttc tccgggagcg acgcgtccag ctcaagacgt taaagaagcg 300
ctactatgag gcaacctagt acctntaaa tttctgctg ctatttgatc actntttata 360
gtaggaacgc acctagtgt catgacctg ngaatntaaa taaaacaagc gcaagctcgg 420
aaggtagtca tacctcacan aatatatata tngtatgtta ggtagaaaga taccttatat 480
atgcatgtat 490

<210> 35401
<211> 360
<212> DNA
<213> Glycine max

<400> 35401

agctttattg actgtgtgca atcacacatt ttacatagag tgtcctcatt gatatgtttc 60
tacagttggg ttgcataac attttaattg tcaaaacata tgattcatgg atatgatcta 120
agcattcttt ctttctttac atttttaagc cactggccaa acagctatcc ccaatgtata 180
ttatctttat catttgcaag ccctttgagc aaaacacttg atattttatt gtgaccctaa 240
cctacgataa aatgttccta cacttgatac ttcactatgc atgctcatat ctttcgaagc 300
atatttattt tagacttata ctagagatat ttgtaatttt tctgcacttt gcttgaggac 360

<210> 35402
 <211> 226
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35402

agcttgtgtc tttcttnccg cccatacta gcaaatacga caccatccaa ctatagggaa 60
 atgtcaccat gctctttaa cctctccata ataaatgcct tcactactta cttcactacc 120
 atgggatcat caaccatct ctttctttt acaatacctt gaatattatt actcctcctc 180
 catttcacca ctttatggaa ataacaagt ctgtcacctc ctctct 226

<210> 35403
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 35403

taatatgcat acaacaattg acttactagc tgattgaact tgttgatgag gtcataaaga 60
 cctactacca tctgcatttt gagttgatac tactccatcc tcagatagag gcgattagtc 120
 gatcggttag tgactctgac gcatagatat tcttgagctt ctaccacaag accttctatg 180
 atgcttcctt caacacgagt tgttgatatc taagagcgaa ggctaacc aa atcagactca 240
 ccatactcct ttggacatag accactccgt ttgatttata gaagctggca attcttcttc 300
 taactcctga aca 313

<210> 35404
 <211> 297
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35404

agcttcta at gctctgtgct gcaattgcag cactgccaca gttgctttct cttctactga 60
 tagagaataa ttgagagaag atgatttgat gtcataaaag gaaggccatc ctgaagttgt 120
 agaagaaaaa ccagccttgg ggctttcact ttcccactca gcaccagaaa ccagagattc 180
 atgagattcc tacattcaat tntcattagt aacaaccaac aagaagtaaa catatatggg 240

agttgggatt tgctagcaga caatattact attccaattn tcacaaatth gaagaaa 297

<210> 35405
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35405

ctgattccaa atggaacttc tcttccactg agtcctccag ctttttctga aatagagttt 60
tggcagcctc aagttctgat atagctactt ccttgtcatg taaaatggta gtgatgtatt 120
cctgtttttt agatccagaa cgagcaagtt cttctagtaa ttgatccctc tctttctcaa 180
taatctcttg tctatgttga gctccgaaa gagctattht gggtaccact aattcatctt 240
ctattcctat aacatcatct tgatcaacaa ctacatctgt gagtttgtca tctgaatcat 300
tctgtcacac aaatagaata aatatagggt cactctccac tatcaactth gtaatttgca 360
cctacttaat ataatatcat taatagatat gtgaaactcg gtcacctthc tgaaccaga 420
tactcaanat ggccagcctc aaatcatgt atttcataaa gaactagata taagt 475

<210> 35406
<211> 324
<212> DNA
<213> Glycine max

<400> 35406
tctatggaag ctggatctth gtacttcaat gagatgcttc tatgggtgatt ttcaccatgg 60
agatgcaacg gaaggcaaac gagaagaaga gaggggaggc tccatccctt atggaataag 120
ccaaggaaga aggagcttca ccaccaagaa ttgccttga taacaagctc gaagaggatg 180
ctttaatgga ggaaaagaaa gagagaaggg gggagcacga aattgaacga atacaagagg 240
gagagaagtg gaactttgaa gagatactat aagactthc ttcacacag gtacaacaag 300
cgctactcat gctthtattt atag 324

<210> 35407
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 35407

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 ataaacaatg ttgacaagat cattgaggcc gaagaagaaa tggctaactc catgtgtgta 120
 attgagttga atagacaaag tacatttttc ttggtggaac aattactaaa tccaagacaa 180
 tgatgtcttc cagaaaaatt tgctataaac atttcttaat aatgggtgtaa ttgtggtaaa 240
 ttataaaaaat tacacatgtc atgttcacat gcaattgcaa catgtaagta tgtccatggt 300
 gattacaaat agttaatcaa tggcgtttac aagctcaatt acgtgtccaa cgtttacagc 360
 agactgatag agcatttttta gttcattaat atcctattct tcttagctta ttcgaccttt 420
 ctttgactct tattctctca gcttaattca a 451

<210> 35408
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 35408

gctctcacta agctcttatt gtataagtgc tcaactaaac tatatattca tgttcaaata 60
 ctcaaagaca cctttgataa ccttaaaatg ggaatcctca attgaatttc aacatattat 120
 gaactatata gtatgccctt acaattttat tctaacaagc ctctggccct ttatgtgtat 180
 cttcatccca actgcccata ccttcataaa tatatacagg atatagtacc tatgcaccca 240
 ttgtttattt gcatttaaac tagaaaaagt acaccttagt atttactact acgaattgaa 300
 cagggaaaaa taatacaaaa ttacttacat gacactccct tgatttgaat ctatcacacc 360
 c 361

<210> 35409
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35409

nggaaacgan attacctcac tgggctatca cggcatgatg ctattactct cactactaaa 60
 ctagaatatg attcgagata gaaggtaatg atgtataana ccaaaactta ctatctccaa 120

cttccttttg ttgttttctt tttatccggc gagaacaaca ctggctcttg aatgttgacc 180
 ttgaacagta gcaggaccag cacacatttt caaagataaa aaanaaatta tatatatata 240
 tattgaactg aagatacccc accaccatgg tggcaagtcc tacgtaaaca tatttctgtt 300
 gacaaagaca aaaaaggagc ctttccatat gttntcactt ttatatatat atatatatat 360
 atatatatat atatatatat acaactaata accg 394

<210> 35410
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 35410

agcttccccg attactgtca aaggccaaag caatggcgga cgtgtactcc gcccccgagg 60
 aaatccacgg gctcctcagc tattgtcagc atatgataga cttgatgggc catataatta 120
 ggagtcgata gggagtttgt attgtcattc agatcttggc tagttataaa tttctgaata 180
 aaatgagttt accccatgat tttactccaa aaaatcagcg cgaatcaaat cactcccaca 240
 ctttatctct agcatgcatt cattcttcac tacgtactcc ttacatttgg tctctttagg 300
 aaagacgcca taactaaacg cgccccaaagg gatccctatc gcaccatatc ctaatcaagg 360
 acgatgagta acctacagga agcgcaggaa catatgaaag tcgacatgtc 410

<210> 35411
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35411

ctaataccat gttaatcacc aactcttcta acagcttaag ctattatgtg ggttttgtga 60
 atgataatga ccttattaca tctgcggaca agtgaaaagg gaacaagaca aaagggatac 120
 cgaatgggtg tgtatgtgcc gaatactagc actaggctta caaagtttca cacaatgctt 180
 atttgcttcc agtataagca cataaagctc ctcttgagat atataagaag ccatggcatt 240
 cttttagaaa agtggcaagc aaaaaagagg gaagcaatat gttgatttaa aagttaaaaa 300
 atcaaagcaa catgggggatt tagcattttt attttatgct tgattcacag agcatgaaca 360
 aggagaaaaa actaagcttc atacatgttt atgtcatagt ataccacatt cattagatat 420

[illegible]

<210> 35414
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35414

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 gcttaaccaa gggaaaaaga gtcaccttac cctcaacggt tgttgggagc ccatgttata 120
 tggatcaact ttactttgat ggtatggcaa tatgcagtca tgttgggtct ccaaattctt 180
 ttattactct aacctgtaat ccaaattggc ccgaaattcg tagattactt tcacctttga 240
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 acacatgctg tcagacttaa caaagggta attactgtga aaagtgggtg catgtaagtt 360
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<210> 35415
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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 taaaatctag atagaataaa atctggataa gataaaattt gataaaataa agttattatt 180
 attattatta ttattattat tattattatt attattatta ttattagtta gacaagccgg 240
 cttgtcaagc ttaacaaact tnttttatgg tttgagcttg gcctttatat ctaataaggc 300
 tgtttaaaaa gcttgagctt gacctttata gtaaacaagc caagccgaac cgagccttac 360
 ataggccgag ttgaaagccc tcgacnagct gttcagctca ttaccactcc taattataag 420
 tcccatgagc aagcctagtc ctatataaat ctgacaaaat atat 464

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 <212> DNA
 <213> Glycine max

<400> 35416

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 tggtagctgg agatatgtcg cgggggtcat gagaccttgg ggacgtcatg tggcgtgcta 120
 ttgccacaa ccaagctaga ccaatcccta cccaacccgg gcatagtcag tcagtgag 178

<210> 35417
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 <212> DNA
 <213> Glycine max

<400> 35417

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 tgaagcttct tcacataatc ctggctgagc ttgaccttat gtacgcgttc atgatagaaa 180
 cattacgcat agcctttaga tcacgacgag cctacggtgt ctgtccataa cctgcattag 240
 actgataact attaggttgg ctctgaacac cattatagag ccaaccacca 290

<210> 35418
 <211> 152
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 <213> Glycine max

<400> 35418

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 cacatttctt tccttctctt catttctatt gc 152

<210> 35419
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 35419

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 aagattccta aagaagctag agcttagcta cacatactc tctaatagct aagcttacct 180
 cattgagatg agaagctaga gcttagctac acaccctat aatagetaag ctcaccccat 240

Figure 1. The effect of the concentration of the *Agrobacterium* strain on the transformation efficiency of *Agrobacterium* strain *Agrobacterium tumefaciens* (A) and *Agrobacterium tumefaciens* (B). The concentration of the *Agrobacterium* strain was 10⁶ cells/ml (A) and 10⁷ cells/ml (B). The transformation efficiency was determined by the number of transformants per 10⁶ cells of the *Agrobacterium* strain. The data were obtained from three independent experiments. Error bars represent standard deviation.

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<223>      unsure at all n locations
<400>      35420
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tatctactcg	gatgtccgat	tgagtctcat	aatatatcga	cacgctcgaa	attgaatgtc	180
gaagctctaa	gcctattcaa	acgacaataa	cgttctactc	ggatgttcca	ttcagtgacg	240
taatatatcg	ggacgctcga	aattgaatgt	tgaacctttg	agccaactca	tacgacaata	300
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<210> 35422
 <211> 507
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
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 ttattgccgt ttgaatttgc tcagagggtc aacattcaat ttcgagcgtc tcgatatatt 240
 acggggactca atcagacatc cgagtaaaaa gttattgtct tttgagttgg ctacagagggt 300
 caacattcaa tttcgagcgt cccgatatat tacgtcactg aatcggacat ccgagtaaaa 360
 agttattgtc atttgaattg gctctgagct tgaacattat attacgagcg tctcgatata 420
 ttacgggact caatcagaca ttcgagataa aagtattgtc gttgaattgg atataagaca 480
 acattcaatt cgagcgtctg atatata 507

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 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35423

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 gccacatgt gtttttctaa tgggagttga taatgggtccc tactaaaatt gctattgggtc 240
 cttacaaaac tntaaaattt gaggaaaagg ccaatttacc ctctattcag aactccacc 300
 cctccttccc ccttcttctt actattgctt atgttcttct caaccccatg ttaaataatac 360
 aatggaaata caattctatt gtaaacttcg ttaaaaaatt aatacacaac gcanacatga 420
 tttt 424

<210> 35424
 <211> 482

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35424

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 agaccgaagg acgaaccaag aacagatgaa gaacgacgga aaatcttcac aaaattgctc 180
 acagaaactg tagacaaagg atcaagctga aagttttgat gatgccaaag gattacatga 240
 atcacatgct tctcaaagat ttactcaaga caaagcaatt agagatattc aagatggatg 300
 atcaagacag tctatagagt cttagaaagg gtatattaaa taggaaggga attccaattg 360
 aagtagcaca aggtttggcc aagaattnta agttanaaag tctttctcaa canatntact 420
 ctctgngtaa tcgataccag aggatgtaat cgatttacca gtggcanaac tgatttacia 480
 ca 482

<210> 35425
 <211> 423
 <212> DNA
 <213> Glycine max
 <400> 35425

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 taaagttgaa aatcagggtg ctggtaatat tccaagatac ttgaatcttg aaccatcact 180
 tgcaatggat tggcttgaga taccatggga tgatttgca atcaaagagc gtgttggtgc 240
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 att 423

<210> 35426
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35426

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 aattttttta gaacaaaaac atattttaatc gtataaatta ttttaaaaaa cttaaaaaatc 180
 atcaagacca taataaaaaa tttaaaatta catttaattc tatttttaaaa aaatatatat 240
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 tcatcaattt agccctctat tgttgaaacc aacgatgtta attttatgat tgaacaatg 360
 gtcttgcttg aactaatta agaaattaan agagatacaa ttatattaaa aattatgtga 420
 gagcaatggt ataataatcg attcagttc 449

<210> 35427
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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 ctcatcatct gaacttggtt ccagtgttag gtctactttg ctggtggaca catcagccat 180
 tagacatagt ttggcttggt cctcactgtc ctcatcaaat gagggatcgt ctaagtcac 240
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<210> 35428
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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ctcaaccaat tcttactcat tcaccgatat tcaagcatca cgttcttgcg atggtagcaa	240
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cattttctcta aaattctttg aacagttcaa caataataac tttgcccttg ttgaagaagt	360
taacgatgtc atagagaaca aagttattct tacgtgcaat ccttatgtct tccaacatgt	420
ttatgttgaa ctgatgttca atatgaatca tt	452

attgttattg agactgagta ttagttcaaa gtgttacatg tgtaatttg tgagatacta 360
cgttacatgt gatgggtgat tttgacatga tgagatgt 398

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<211> 424
<212> DNA
<213> Glycine max

<400> 35433

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ttggccactg gtaatcgatt acatcctctg gtaatcgatt accagagagt aaatttggtg 180
aaaaagactt ttttaacttaa aattcctggc caaacctttt gctactgcaa ttggaattcc 240
cttctatatt aatataccct ctctaagact ctagagactg tcttgatcat ccatcttgaa 300
tatctttaat tcctttgtct tgaatacagc tttgagacgc atgtgaaaac tatggcatta 360
tcaaaacatt cagcttcac ctttgtctac aatctccctc cggatcgatg accatccaca 420
atgt 424

<210> 35434
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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gagagatacc aaacgaactt catggccttg agagtctaca ggattttcat atattcaaca 240
atcacttgag cggtttgata ccatcttggtg tagggaattg gaccaatctg agagttgttg 300
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ttacaacact taac 374

<210> 35435
<211> 414

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
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 cctgtgatgt acctaagcat gcgagtcct gtctgtcaac agataaaagg aacaaagacc 240
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 atgggtctctg gtaatcgatt accaaggggtg ggtaatcgat tacaatgctt aaaaatgaag 360
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<210> 35436
 <211> 233
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35436

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 cataacttgtt actcggacgt gcgaatcatg ggcataatat atccagacgc ttgaaattga 180
 acaacgcgaa ctncgagaa gttcaaactg gcataacttt ttactatgag gtc 233

<210> 35437
 <211> 367
 <212> DNA
 <213> Glycine max

 <400> 35437

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ccagggcctc ggcaattacc cattctcgga tctagcggac ttatgtctcg tacccaatat 360
cgtcatt 367

<210> 35438
<211> 397
<212> DNA
<213> Glycine max
<400> 35438

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ccaagccgag gcgctttcga aatgtttgcg taacgttgctc gtgaggaatt tctcgaaagt 120
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atattatata catcatttct cgcttagcct gataataaga taaatttcca ccgatcgctt 360
gaattgtatt atccgctaac tacggcttat atgaatt 397

<210> 35439
<211> 419
<212> DNA
<213> Glycine max
<400> 35439

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ggaactcaac acaccatgaa gtggagtgtg acctcttaca tttcccctaa tacgaagtgc 360
atgatagcga cagcacaatc actctactat cttttctgtc ccttaactgc tgccacatg 419

<210> 35440
<211> 368
<212> DNA
<213> Glycine max

<400> 35440

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gggtctacaa tggaacgaga ggaatagagg ttgtgtacc atatacgctg ttctctttat 180

gagaataatg acccataggg attgcaggga ggaattggag cttcctatga ccagaatgc 240

cgatgactcc gactcgaagt tgctttccgc catttgaaga gttttttcgg gatttctatc 300

ggttctaatt atagagatcg atgatagatg aacgttgtgc ttgcggtga gtgatttcga 360

caagaatt 368

<210> 35441

<211> 389

<212> DNA

<213> Glycine max

<400> 35441

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tcgattacca gcatccaaat ggatttgaaa aagctttcaa actgaattta caacgttcca 180

attaatttca aaaagctgta atcgattaca atcttttggg aatctattac tagtgccatt 240

gaacgttgaa attcaaattt atatgtgaag agtcacatcc ttctttataa aagccttggtg 300

taatcaatta cactaatttg ataatctgat taccagtgat tgttactgaa taaatcacia 360

gatgtaactc ttccaaaggg ttgacttt 389

<210> 35442

<211> 592

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35442

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tgcaagttg ttggcttcta tacctcgaaa cttgtgctat ttctctttt cattctcttc 180

ttcctgtgcg taaaagaatt cgccaaagac taaccgcctg aattcttttg tgtctccett 240
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 ccatatacgc atgatctcaa gggactaatc gcctgagaat tcttttgtat tctcatgcac 360
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 gtggtacaag tagagcgcac atcttcttgg gtatgactga gaacaatata cactacatcc 480
 tcttgggatac atctctatcg gaatgtcctt ccactagatg tccaatagaa catgtatgga 540
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<210> 35443
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 35443
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 aagaattata tatataacta cataaaagta gttaaacata ttatagacat tagatatata 180
 tatatatata tataaacata gacttatata tatatatata tatgtatata tataatatag 240
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 cctacagtga gagacaatat cttgattttg agcgcgtgag catcatcacg gagaattaat 360
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 <213> Glycine max
 <223> unsure at all n locations
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 ttatcagaga gatatacat accttctgag tattcaaaga gttgagtcta agacttcaaa 180
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489

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<212> DNA
<213> Glycine max

<400> 35447

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gaccttagga gaatgtcttg tcatacaatt cttataaaac aaatcttaga cactaactat 360
tatatgaaat cttatatgct atattagatc ataatatata tat 403

<210> 35448
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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tcatttagat tatgtgtcta ttattccatg ctccaataga tcaaaagtca aagcactggt 240
ctcttctttt ataatctaaa ctacacttct ctctcaaact tccatcagta tgcatgcgac 300
ttgagggtca ttgtcatttt atgaaattgc cgctgagttt cacactgact aatatgaaga 360
cttggtaaat aacatgaaag ttatagtgac caacgtctcg atgatgtcta agacgattct 420
gaggacgaac atg 433

<210> 35449
<211> 426
<212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 35449

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 aatggcatta aagaagccaa gatctaagac attaaaatca agcaagtttg ggggttgaga 180
 aaccaatcga atgtcaaaac cgccttact agcagcttaa tgggaagtcgt tgtcatcttc 240
 atcaatgtga catggagcat tgtcttggtg tatgaaaata gtctctcttc tatecnctat 300
 tggccatttt gctttgattg cagacaacac atgatgaata agaanaatggt tgcttacttg 360
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 ctcttt 426

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 <211> 471
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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 ttcgctaagc gcaccatttc atctcactaa gtgcaccact tcagtccttc cgtaagcga 180
 gaaaggcacg cgctaagccg aaattcacta atgtgcacta agcgggtccag aattgtgcta 240
 agcacacgag cacgaacaag gccacttatt taagcctgaa atcagatttt aaagggggag 300
 tttgaactgg gattcagaga ttntcatgtc ttgagattct agagagagaa aggtccaagt 360
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<210> 35451
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 <212> DNA
 <213> Glycine max
 <400> 35451

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 atatattacg ggactcaatc atacatccga gtaaaacgct attgtcgttt gaattcgctc 180
 agagcttcgg tctttaatat tgagcgtctc gacatatgtc tggacttata tccacttcgg 240
 agtaaaaagc tatttggtt tgaatttggc cagaacttcc ggattcaaatt tcgagcggca 300
 cgatttatta cgggacttaa tctcacatcc gaatcaaaat tattgacgtc tgatttgcca 360
 gaacttcggt attcat 376

<210> 35452
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35452

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 atcgagaagc tcgaaatgga ataccaaagc tctgagcaaa ttcaaacgac aataactttt 120
 tactcggatg tcttattgag tcccataatt tatcggaacg ctcgaaatag aataccgaag 180
 ctttgagcaa attcaaacga caataacctt tttactcgga agtcggattg agtcccgtaa 240
 tatatccaga cgctcgaaat tgaatgttga agctctgagc aaattcaaac gacaataacc 300
 tttataactca tatgtcggat agagtcccgat aatatatcga gacgctcgaa atggaatacc 360
 gaagctctga gcaaattcac acgacaataa ctttatactc ggatg 405

<210> 35453
 <211> 357
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35453

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 actataatgt ggaaaatatt taaaaattca tgtggacatc catggaagag ccagaagatt 180
 cttcagtcca atgatttctc atgtactatt tattctcaaa ggaagttggt aattacacta 240

tcaccaagaa aaattggaaa tgagtctatt ttatTTTTtag aacggatata atgtgatatt 300
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<210> 35454
 <211> 459
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35454

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 ctgtactggg tgcccttcta cataaggcac acaggtaatc attattatta tattacatga 180
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 ctacgaattt ggagtgcttg tttggtagga ctggtatgtg atgtgtcttt aggcatat 360
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<210> 35455
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35455

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 gaacaattag tgggtgctatg aacagctcta ttgtaagcaa attcaacatg gggtaaacia 180
 gcttcccaag tttttaagtt ctctctcaaa actgtcctaa gcaaagttcc caaagtccta 240
 ttaacaactt ccgtttgccc atcggtttgt gggtgacaag tgagtgaaaa taacaattta 300
 ntgccaact tgctccacaa agacctcaa aaatggctta cgaacttaga gtccttatca 360
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 acatgggaa 429

<210> 35456
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 35456

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 acaaagggag aaagaaggtt gtcttcgaac ccggagattg ggtttggtg cacatgagaa 120
 aagaaaggtt tccggaacaa acgaaatcaa agcttctacc aaggggagat ggaccatttc 180
 aagtgttga aagaatcaat gacaatgctt acaaagttga gctgcccggg gagtataatg 240
 ttagttccac cttcaatgtc tctgatttat ctctttttga tgcagatgga gaatccgatt 300
 tgaggacaaa ttcttctcaa gagggagaga atgatgacga catgttcaag agcaatggca 360
 aggatccact tgaaggactt ggaggaccta tgacaatggc taaagcaagg aaagcaagga 420
 agctcttcac aagtgtgtcc atactatatt 449

<210> 35457
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 35457

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 taggccggcc ttggattcat tctgttgggg tggttccgct aacactgcac cagaagctaa 180
 aatttgccgc ggaggacat ttgattatag ctccgagaga ataagacata cttgctagtt 240
 gtccatcttc aatgccttat gtagaggctg cagaggaatc attggaaaca tcctttgaag 300
 cattagaagt tgtgagcaat gcttacgtag agtctcctcc actgcagccg tgctcatcta 360
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 <211> 498
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35458

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 atcaccatcg tttctattag attcttgctc aaactgtgtc attattccac caaggaggac 180
 ctgattgtgc cctagccttt accagttacc accacttggc aacaaccctt caatactcct 240
 ttagtgactt tgagcactca ttacgatcct gacttctctg acttcgagct gtaagtgttg 300
 gtccatcggc agggatcatc actcgttgat acttaatggc aagactggca ctatcataaa 360
 tacacctatc accttggtgca caagtgactt tgcacattcc gcaagctgag atgacgacct 420
 tatectgcat tagataggat catctctggc ccttagacta atctacgcgc gcatactctt 480
 aattttccgc aaaacgac 498

<210> 35459
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35459

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 aaagagttgg gaagaaggag acaaacacac aagagttttt atactgggtc agcaacaacc 180
 cgtgcctaca tccagttccc aagtgcctg cggtccttga gatttctttt caaccttgta 240
 aaaatccttt tacaagcaaa gatccacaag ggatgtaccc tcccttggtc tctttgaaca 300
 acctagtgga tgtaccctcc actagaactg atccacaaga gatgtaccct ctcttggtct 360
 cagtcaacaa cccaagtaga tgtaccctct acttggaacca canaggatat accctccaat 420
 gt 422

<210> 35460
 <211> 485
 <212> DNA
 <213> Glycine max
 <400> 35460

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caatgaaagc accaagttgt tgtgaccctg cacttagcct agaattcgag gttctagggc 120
 ctccacaaga atatgagggga aaaggaaatt gcttgtatta ttcactcccc atcagaatta 180
 cataatctcc tatttataag cttttcatat aaattctaga atgaaataga agatacaatt 240
 ctaacgggttt ctggctttct atgccttgaa ggaaagctag gaatatactg atattgcttc 300
 agagaatcct ttctaacggg ccaggatcct tggagaaatg cttctagatg gtggtgacct 360
 ggctcttgat gcttactatg attatcttgc aacataatcc tccaagtatc tcagggttaat 420
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 aaata 485

<210> 35461
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35461

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 gatagacgtc aagaatgtca tcattacatt gaagcatggg tgaaggattc gcaacggcaa 120
 ttgtacttac gagcttactt gaattagtaa gttaaaatta tgtagtacat tctaaaaata 180
 tttgcattat aagtaccta ttataattgt caactttagg gcacattggc aacttggtgt 240
 tctgtgtcca cgggataata ttggtgtttg gttttgttct ttgtgaaaga agcctgatat 300
 taacatcaaa gttgcaatta acaagtcttt taataattta taattgattt agcgtataac 360
 tattgtacta tgtcaaagtg attgtgatgt tatatatgtt tat 403

<210> 35462
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35462

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 tactcttcaa aacttacatt tttttattca tgtaaccacc catgttatat aaattgttca 180

ttgaagtact tactttatgt aaattgtttg ctttcttcaa gacacaataa ctacctatat 240
 tttcattttt ttatgaatga agccacaaca aatgttctac actgtaattt gtagtaagtt 300
 gtggcacaac aaggtagaat ggcagcggca taggcaaact gtgacagtgc ggagatggac 360
 aacgcatagt cctattgtag gagcctcaag gagaattacg agaatatgtg aataaatatt 420
 gtcttttacag tt 432

<210> 35463
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35463

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 tctcacattn tttctatcca acaacccaag agtccgatgg catgcggagc caccttacgc 120
 ttatccgcac ctctcattc ggagacccca agttcgatga cacgcagaga ccaatgtggt 180
 aatctgcacc ctttctcgag atgtcagcgt cttccggtcg agacaatttt agtctcacat 240
 ttttgctatc tggcgacctt agagttcggg ggcttgacaga gaaaccttac gggtatttagc 300
 acctcgatc tgggagaccc cgagtctaata gacacgtaga gaccaatgtg gtcactctgca 360
 ctctttccgg agctgtcagc atctttcggc cgagacta 398

<210> 35464
 <211> 390
 <212> DNA
 <213> Glycine max
 <400> 35464

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 tcagtcactt atggtagccg ccgatgatcc cgttactgct tcccctaagc tctctgtgct 120
 ttcttcacac cgcatacact gccttgcgaa ctcttggag tacctttgca tttgggtcac 180
 tgaaacctcg tgatcatgaaa ggcgtgatgc tttcgtctaa tggcgctcct ctcatggggt 240
 agccaagctg tctcatggcg aggacggtat tataattaat acaacctctt gttccatcaa 300
 gggaacattt ggacatcctt cgcatagaaga tagaatcctg aatcttcctt ccttctagcg 360
 agggaaaccaa ataacaaacg cctctctatg 390

RESEARCH DESIGN

<210>	35466
<211>	242
<212>	DNA
<213>	Glycine max
<400>	35466

<210>	35467
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<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 35467

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ccaaataaat aataaagtca tctcgactca cagaaaatca tataagtctc atacaattaa 120
tatagaacct atatccta atgtcacatcct atcagagcgt ggtgtttcca tgtcctctag 180
cacgaggatc ttcatagtca tccacctatt catctgctcc cccgaacaca agttcaagat 240
catcacagga tccaaacaca acaacacaca gggagtgagt tatcacattc ctagctaata 300
gagaaacacg acaattaaat atacatatta tataaatgag ataccacttg cttaaacata 360
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<210> 35468
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35468

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gatacggcaa tgatataaga gaatatggca aattgcaact tataaattaa tttaaaatta 180
agtttaatac tcatgcactc acaagtttaa tgggtcaatca atcataaatc tttattaata 240
tataactttt aaggtataat ctattttctc tttaaaatta atttatttcc tttttaaaaa 300
taaattagaa taaaagttca gattataaga gaattcatat tctagaaatg aacataagtc 360
aatatataca taaaatgtt aaaacttata taattagtat gagattctaa tttatatttg 420
gatacaagtt aanaaagtat acgtagaaaa ttatgacaat aacataacag tatccata 478

<210> 35469
<211> 423
<212> DNA
<213> Glycine max

<400> 35469

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cttattttta agggcaattc cccccccccc ccaaccaccc tacagatctg tattccaagc 120
 ctctttgatc atagagtggg accctttatg attaagccac cagtccacaa cccgaaaagg 180
 cttaggggccc cagtccacca tccttgtctt caaaatgatt ggacaatgat cagaataatc 240
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 gaatctgtcc agcctactct tggcactgcc attgagccta aaccaagtaa aatagctgcc 360
 aaagcatcta atatcatgga gtcctatctt tgatatccag tcattgaaat ctgaggtatc 420
 tga 423

<210> 35470
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35470

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 acagttttgg gtgttcaaaa aaataataat aataataata aaaactgtaa gtataaataa 180
 aagtgtataa aagtgtgtgt gttgcaaadc aatgaaatga aagttgagtg cctaaaaagg 240
 ggaaagtagt gggttgggaa ttaataaaaag taaaggctga tgtatggatg aatgctcttc 300
 tagaatttaa gcttttgaat cctacaanaa ccatgatttg ttgatagccc aacctcatta 360
 caagcctaga aagcccttcg gattcaattt gcgtatctaa ttatgtatgg catgagatga 420
 aat 423

<210> 35471
 <211> 240
 <212> DNA
 <213> Glycine max
 <400> 35471

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 ttatgaccat gtgaatttct cgagagcttg cgttgtgcat ttacgagcgg cgctacctat 180
 tacgcgtccg ataccgacat tcaggggaaaa aggtatgacc ttatgaattg cacaagagct 240

<210> 35472
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 35472

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 aatcgaacct cagtgtgaaa agttatgacc atttgaattt ctgtagagca tccgttggtc 180
 attttcgagc gtctctatat gtgatgaacc ttaatcggac ctccgtgtga aaagttatga 240
 ccatttgaat ttctcgagag cttccgttgt tcaatttcga gcgtctcgac atattatgcg 300
 cccgaatcgg acatccgtgg gaaaagctat gaccatttga atttctcgag agcttccggtt 360
 gttcaatttc gagcgtctcg acatatgatg cgcccgaatc g 401

<210> 35473
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 35473

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 tcggcattct cctttcggat tctcagagat gctgatttga acctttcttt gactgtttgg 180
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 aaccacttac cgtagccact gatgggcccc ttgttaccgc cctgacgtc tttgtccctc 360
 ttttgacca cctcccatgc cttgc 385

<210> 35474
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35474

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 ggctatagat ttaaacattt gggaagccat agaaataagg ccttgtattc ccaccatggt 180
 tgctggaaat acaacaatag agaagcctaa ggaagattgg agtgaggaag aaagaagact 240
 agtacaatat aacttaaaat ccaaaaacat aattacatat gccctaggaa tgaatgaata 300
 ctttagggta tcaaactata aaaatgcaaa gggatatgtg gataccctac aagtaacaca 360
 tgaaggcaca acanatgtta aaagatctag gataaacaca ttaactcgtg aatatgaact 420
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<210> 35475
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 35475
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 ctccaactga gctcacgtac tcccacgtag ctcatatcct cgtttctctc aacaccaggt 180
 ccccatcaat cctcccaagc ttccccaaca tcaaagtaat acaacattct cacagcacia 240
 gctatcacag ctaagcaaaa cagggcaaag gcagaaaact ctgccccaaa caccaaccaa 300
 aatcacagct gttcacatac aaatacccca gaaacatttc cttcgttcca attcgttaac 360
 cggtggatcg actcgaaaat attactggaa gtctctagta ctttaagccta ca 412

<210> 35476
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35476

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 aagttgtaac tcggatgtcc gattcaggag cttcacatat cgagatgcac gaaattgaac 120
 aatggaagct cttagagaaat tctaattggtc ataaattctc acacggaggt cctattcagg 180
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gattagcgga agctctagag aaattcaaat ggtcataact tttcacacgg aggtcctatt 360
caagcgctta atatatcgag acgctcgaaa ttgaacaacg gaagctctcg agaaacttaa 420
atggccataa gttttaactc ggatgtccga ttcaagcgaa tcatatatca a 471

<210> 35477
<211> 432
<212> DNA
<213> Glycine max
<400> 35477

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cattgtggac gactctggag aaaaaaggcg tggcactatt tttttttttg ctcagcaaaa 120
atataatata tatatatata tatatagact agtaccagtgt gtactgaaat tacataggaa 180
tagaagtga tccagctatt ccaaaaaatt gagaaagagc tggagacaca aaaatgtgtt 240
acaagaatcc acccacaccc gcccccccta aatacagaat ccttccttca gattggagga 300
ccattgggta aagcgtatag cgaaatcctt gtccattgct ctgttccaag accatagtag 360
gagtaaagca tcgtcgagca gttacaacc atgataagtt ccattttgga acaccacctt 420
atttctatgc tg 432

<210> 35478
<211> 629
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35478

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tcngatnncg ngcaannann aacctcgga cctgnctgaa tctatgtctc tattgacgag 180
gttatcta at ttttaggct gaaaagagat tgacgagaga gatgaagaga cgaacacaca 240
ctgtgctatt tggaacgata gtacaatcctt ggcacacaat attatgtgca aacagcatgt 300
gcactccata gtccattgat aatacctgat ttatcgatga caatcatggc aaatgcactt 360

ggacctattg atgcacctgc cataaagaat ttccaccttg acatgaatgt caccagcatc 420
 tttatgtatg aaataatata ttaacatact tattctgttt actctgaata tgattcttat 480
 gtattgtggg tgtgcctaaa tctaactcag gatagcatat cgategatac tggatgcaag 540
 aatcacacgt caactctctg ttaatgactc cttegggtcat agcatatgat gtatgcaggc 600
 atcataagag tcacaccttt taatattcn 629

<210> 35479
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35479

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 ctgcattccc acagaagata caacacatga agtgaactac atggggaacc agccaagacc 180
 aaactttaat gcagggtgat attctggatt ttcacaaggc cagcaatata ataagcaaca 240
 gggacaatgg agaacgcacc ctggtaatca gttcaataaa gactagggtt ggccacctaa 300
 caggccacaa caacaagggc ctagtctcta tgatagaaca acanagctgg aagagactct 360
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 gctttaactg aa 432

<210> 35480
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 35480

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 taatctcttg agcctatgta ctatgagaat gacctcatct gcgaatctac ttctatgcat 180
 ctatgccta tactatatgg acccaatatg gcgtgcacta gtactgggtc aataagatga 240
 caggatgtct tattatgagc tggctctgac gcgtcactta tgacgcatgg cctcaggcat 300
 gacatctttg tgagctagtg gtgctctggc atgtcaagat gtcaccccta catcaaagtt 360

362

<400> 35481

actcatgcta 370

<213> Glycine max

<400>	35482
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cttaagatc 429

<212> DNA

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atctgtccag gtccgagatg tttcggttaag aaaccgatca agagctcaca aatgggagtg 360
tatttagcat agcgggtgagt gcatccataa actatcacac tctaatttca 410

<210> 35486
<211> 420
<212> DNA
<213> Glycine max

<400> 35486

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atatgtttcc ttttgtcttc taacaactta cccgctaaaa catagttact cctattatca 120
gttacaactt gaacaacggt ctcttctcca acttcttcca caatagcatc aagcaactca 180
aaaagctttt cacctgtctt cacaaaatca gagccatcaa cagacttcaa aaacattgta 240
ccagcttgag agttaaccaa agaattaatg atgcatcttt gtttccgatc agtccatgct 300
tcgaacataa tagtacaacc atacttgacc cattgctcct tgtagtcttt catcagatct 360
ttagtgcagt caacttctct cttcacgagt ggaactctga tatcatgaca gctcggaatg 420

<210> 35487
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35487

gatactcagc ttgtcttgat ttttctagtt cttaacaagc tttgaacaat atacttgccc 60
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gtacattgat ttgaccaatg ctgttatggg aatggttgcga taatccttca aaccttattg 180
atacattctg agaggttggt tgtcatgtgg ccatatcgac atccttctct atcataagcc 240
atcgtccatt tttcatttga aatgcatca atccatgttg ctatggctgg actcagttca 300
cgaaattttc taaatttgat caaaatgtct tgcaggagtg acgctgctac attagtatga 360
taaaatttaa gatattctgaa gtaataacg 389

<210> 35488

<211> 425
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35488

agcttgacca ggaattactt gtatgggttg gatgttgaat tctggttggt cctggtgcgg 60
 agatgatggt acagcgggtg aaccagaagc ggaagtttct tttggtgagg tagccatgga 120
 aaagcagagc gtttggaatg atttcgtaaa tttcagaagg ctattgggaa atgctggtaa 180
 aaacacgaat gccaagcaga tataaatttg aatgaggaat gtatagggtc gtgtgaagca 240
 acggtcgaat tttccttggt tcagtagtga acgtgctatt aatgttaagt gattcggttg 300
 ggcacgttca gattgctgta gttgctataa ttnccttagc acacaaatgc ccagcttgcc 360
 cctcagttnt tcaaactgat ttgcatccaa agcctttgtg aacatatctg ctatttggtc 420
 ctcag 425

<210> 35489
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35489

ngacaaacan agctaatcga agcaagcaag aaataaaatc aattattgtc acaaaatcaa 60
 tcgtgcacaaa ggcatttgaa atggtaacat cttttaatat tttatattca ttttcttata 120
 agttatataa taataacgag ttttttattt tgtgattgtt tttatatgat atatgaaagt 180
 ttggtgaaat ttatataaag gcatcatgca ttagattata ttatttaatt tgtcttttac 240
 tatatttaat ttttaatagaa agaagattca aaatatggta aatggccata tgctctggaa 300
 gtttggaagg ccacacacat gagatctaag ggaacttggt gcattccaaa aggagaagaa 360
 atcatggtaa agaanaaatt cattttanag tcttggtgtc aatattagaa ttaaagacat 420
 taattggatt atgatatcat atc 443

<210> 35490
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 35490

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 ctgcttacgt ggacatgtcg tcattgttgt tggcgagacc ggctgagtct ggtgacgtgg 120
 agagagtcgc caatgcttct ggtgatatat gttgcaggag tggttctcgt cactggaaat 180
 ggcgagactg gtgtcggcgg attctctttt cctttaaata ggcagccttt gccttgaaaa 240
 tttgtagtag tcttgataaa agaaagcaca gaggagcgtg tttaatcaag aatttacaag 300
 ccttactttc attatctcta gatagcccag cttttgcctt gaagcttctc attccatcct 360
 tatttatttg aagcaacaat ttatattggt gttcagtc aaatttatca gtcttgcat 420
 catt 424

<210> 35491

<211> 483

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35491

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 cagagatata tattaagaga catgatacga gttcgattta gttatatcag atttgatttg 120
 tatttatgta gatgagatct tttctatagt gtaattagga tcatatttct agtgccattg 180
 tatctttaga attacctcta ttcattgtatc ctttttacag tttaatcaat ccgaaatata 240
 cataacttct caattatttc ctccagtctc aaatatacca tgttgagtgt tatcagcaac 300
 aaattttcag tataataaag tattactagc tatttccagt ccagttctat cagaatgtan 360
 aagaagggag ttaagttctt acaacagcaa caacaccatc atatgagtta agcttcacat 420
 ttgtcanaga agacatcaca tcaaattgct ctctgtctct ctctgtcaca atcacctagt 480
 aat 483

<210> 35492

<211> 425

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35492

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 tggggatggg aacaacatac ccatccctgc cttattccgt tgtcatgcct attcacaatg 360
 atcactaata cattgtttta ttttaaataa ttacagactt tgattag 407

<210> 35495
 <211> 472
 <212> DNA
 <213> Glycine max
 <400> 35495

ctctagccag atggacttac cttgaattaa ttcccttggt atctcctatg agcctatttt 60
 cccctttctt tgttttgaag ctctattaca gccttaagtg aaaaaccatg atatcacctt 120
 acccttaagg aatcttggag ctttgggaatt gttttgggaa taagctggga ataagtgtgg 180
 ggggtatggt tcattggaag atatgatttt tggccatgct taatgtttta ttttggccat 240
 gcttgatgta tatatatatt gcctagttct ttctttaatc ttcaattctg tactgttcaa 300
 taaaaaagaa ttcagttgct acaaattctg caatttcgta ctcttcatca aaagaagaag 360
 aagaagaata agacgacgac tataagtgat gttgaataaa taagggttg atatgagaac 420
 ttgatttggg agccttggtt gatttggtga attagagggg ttgggttact ac 472

<210> 35496
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35496

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 ccacgcttan aaagggctca ctgacctccc tgagcgagta attgaagttt cgctcagtgc 120
 caaacttgcg ctaagcctgg aaggtgacaa atgactcgct gagcgagctg atgatgcact 180
 tagcgcatgc ctgcgtgaca aatttccttc caaattcctc ctatctgcta agcacgttga 240
 tgctcactt atcggtatgac actcgctaaa cacattgagc tcgcttaacg agacatcaac 300
 tttatcattt cttcaaaata actccttttt gcttgagatt gaagagaaac tgacattaat 360
 atcatacaca aagcttctac tgagcacaga taataacaaa gccaaattta tttactattc 420
 tac 423

<210> 35497
 <211> 460
 <212> DNA
 <213> Glycine max

<400> 35497

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 agccaactct ccacatccac agatcacaca taaaccacacc atcctcagtt gccacacctc 120
 actgagctca catactccta cgtagccctt agcctcgttc ctctcaacac tgagtcccca 180
 tcagatctct ccaagcttcc acaacatcca agcaattcaa catcccaaac atcatgaact 240
 atcataacca ttgaaaacag ggcagaggca gataactctg cccaacacaa accaatatca 300
 caacttttct cacttaacaa ccccagtaac attctcctcg ttccaattcg ttaaccgttg 360
 gatcgactcg aagatattac tggaagtctc tagcacataa gtctacattg tgaccgatgg 420
 gatctgctat atgacgtcca gaacacaatc tgtactactc 460

<210> 35498
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 35498

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 ttatctagcc acacccttct attaactaaa ttaacctgct tgaaaataat tgcggtatgaa 120
 aaataacata acagataatc caacatctaa catagttact aatatatata tatatatata 180
 tatcacggcg ttacacgccc atgtggtgct atcggaggaa cctctaattc tcaaaactgg 240
 tcactatttc tctccaatac cacaagcttg ttccatcaaa cgcacggaat cgaattcgcg 300
 cgtggtctac tattgagcga cctgaatcaa gagtatatat at 342

<210> 35499
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35499

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 accattttta ctgaattctg cattgtctct ctgcatcata gacacatatt cattgttgtc 120
 tattcagcca tcctaaaagg gtaaaacatg aaaacaacaa catcataaat ctattntaac 180
 ataaataaga gcttatgaag gccacttatg acctatcacc taatacgagc ataaaaattc 240
 tgaatagaaa agaaagcatt gtttataatg ttggttactt ttcaatcata attctcaatc 300
 tgattagaac aagggttact tctacataat taccgccatc gatgt 345

<210> 35500
 <211> 322
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35500

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 cccacacgaa attttgagag ttggtcttgg gttatgcctt taggggtgaa attgggtcgg 120
 agacaggatg aggatgcatg tgcagcttct cttctacgat cctcttcttc cttttccatt 180
 gtctctttga tggttacttt catctccttg catatggttt catcattggc tgttatattt 240
 tggagatctt ccctggcttc tcttaactac gtagtcattt ggtaatcgga atatgcatta 300
 ttgattcttc aatccccac cc 322

<210> 35501
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35501

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 agtgacctct tcaatattgt tatctatatt tattttctca cattctattn tatcacgcac 120
 taaaaatatt gtatcctaaa ataataatta acattttttt catattntta ttttctagct 180
 ttaattgatg tcaatacttt tcaccacagg ataaatacat atcaatacac atgagtcttt 240
 aacaagttaa acgatcttta tattgacca agcctaattg atacaaggat aagtttacca 300
 acttttccag cacatgagan aggaagaaga ggaatgcttg gatcctgaac ccattgaaga 360

aaaggtgaga gaggctgata acggagagag aaaatgatcc

400

<210> 35502
<211> 429
<212> DNA
<213> Glycine max

<400> 35502

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ccacataaag aaaaattcca tagttacttg ggggtagtgg cgcgggagaa aatccctatt 120
gttcatgcta cttggaaaga tgtccccgaa acttttaaag ttattgtatg ggatgacatt 180
ttggtaagtc cactcaactg gtaacgagtt tacttttgtg tatatttaat gcctgtggaa 240
atgtgggttt tgcagttact gattgaaaag tatttattat tttaggccaa atttgatatt 300
cctgaagggt taactgcgaa gaagaagggt atgtccacgg ttgcaacaag atggaggcaa 360
tttaagtcct ccctgacctc cagatatcta tacactgaca aagacgatca acaaaacatt 420
gatccatct 429

<210> 35503
<211> 358
<212> DNA
<213> Glycine max

<400> 35503

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acagagctac atacatcttg gaaacgatac atacggacat ttgtgggcca tatcatacgc 120
cttcatggaa tggtaacaa tattctatat cattcataaa cgattactcc agatgtgcat 180
acttgattga tatacatgag aagtcacaat ctctggatgc gttcaaaaca ttgaaagtcg 240
acgtggaaca tcaactcaac ctttgaatgc actgtgtcag atctaaccgt ggtggtgaat 300
actatgtcag atatgactgt tcaggtgaac aacgtccaga gcctatcgtc acgtacct 358

<210> 35504
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35504

agctntggag tttccaagt ccaattcgtc ttcttcttta gtccagtctt cttctggctt 60
 caatceatca gtgggctttc cttctgagtc cagcatcttg ggatgttccc agcctttgat 120
 gacagctttc cagggttctgc tatccagtga tttgaggaag gccaccatcc ttgctttcca 180
 gtattcatag ttggttccat ccagaattgg tggctctgtc actggctctc cttctttctc 240
 catgttcac cagaatttat tccttaggtc tcaactcagt atttcgagt cccgctctga 300
 taccaattga aattctgata ccaatgccag atgtcgtaca ggatgtcacg acatcacgct 360
 tcagaacaag cagattatct ctgagtgtat gaacagatta tacaagtaaa taacacaaga 420
 gaatt 425

<210> 35505
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35505

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 cggaatgggt ttaggcagag acaacggctg cataactagc ctgatanatg ccaaaggaaa 120
 tcgtgggaag tatgtgctat gctataagcc cactcacgca gatgtaaaga gaatcatcgc 180
 gggaaggaac ggcgaggctc aaagctcgcg ggtgacacta gaaagagaag gaagcccgtc 240
 ctgccacata agtataagct gtattagcgc gagtct 276

<210> 35506
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35506

agcttgtggc tgcattcaga ggtttccaga atatgtcaag agaagctgat cgaacgtacg 60
 taggctagta gcaacgaaag tgaaaaatcg tgaattaaaa tatgataatt tcaacgacgg 120
 tgatgggtat aaaccgtagt agtcttggtt caaacaacaa cggttcttat aaaatcgctt 180
 ttgtagcatt cacatcaaag gcgattttat aaaaaccgtc aaacaccttc ataaagttga 240
 ttaaaatttc aaaaatatca caaatcgat gtagatttaa cgatgtagat tgtttatatt 300

<210> 35509
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35509

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 ctactatgaa ttcttttagat cctgaatgta caaccttcac atgatgctcg ctccccctctt 120
 tgatgtctgc accatagaaa atcattatca gcgaactcat ggatgaagtc ctaatgatgc 180
 catgtacatg tgcatactcg aacatatagt gtatatattc catccatcat acattgtctg 240
 gagcttacct ggatagactc taacgtcacg catacccaca cccgaatcag aatccatgta 300
 aaagctatac cattcaatctt ctgagagctt cgttggttaat ctgagcgctc cacatatatg 360
 ccccgatcgg actcctgg 378

<210> 35510
 <211> 258
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35510

atcttatttt agctanaaga gatgttgcat aaactgcttg gagtctatta cattgcgctc 60
 gaactatggtt tttgcttcta tagttaacca gctatatatc agatgcattt ataagacatg 120
 cgaaacttac atcagtgttg cacatccctg ttattatata attcatagac atattctacc 180
 aagagtaaaa atgcatatac cagcatcaaa gttttacatt tcataacctt ctcatctaat 240
 gcttgccatg cctcactg 258

<210> 35511
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35511

cttanaaggc acattggcca ttggtaatcg attacatctt ctgtgtaac gattaccaga 60
 gagtaaaact ctctaaaaac attntaaatt aaatcctttc gccatacctt ntgttggttc 120

Figure 1

<400> 35512

<400> 35513

14795

<223> unsure at all n locations
<400> 35514

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ccccaaaacc aacaacaacc aaacagaccg tggctgacta tgcctgatca atacaaactc 120
tcttggccct agaagatata ggcctcacca aaataccaaa attggccaaa aagacctgng 180
cagaaatggc ctcagaatca gatgatgatt ctgaaacaga tctgcaaaaa caaatccaaa 240
aggccaaata gaccaaagct gtctgcaatc aaaaatcaag ccaatcgttg actcaacaag 300
aatcaacacc acaacccaac aacaattata tttcanaaaa caaaattttc aatgttctac 360
aatggaacc agaatactgt gacaagaatc ctttcaaat 399

<210> 35515
<211> 490
<212> DNA
<213> Glycine max

<400> 35515
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aaatcagcct cagatgcaag gggtgggcgc taagcacttg agactcgtgg cttagcgcac 120
gatcaaagat gcgcttagcg cgaagctcac gcttagcgaa aggactattg atgtgccatt 180
atcttctcct atttcttaac cttttttgca ccattttaaa taccgattag tcttaattgt 240
caaatttatt acgcagattt attatttggg ccatttcagc taattgatgt ttttaattcta 300
atttcaggaa ttaatgaagc attgggcttg aatctagaat tgggcttgga cttgaagaag 360
gcagactaat ttattctaca aaattagagc ttattctatc ttatccatat attatttaga 420
tgtgatctca tctagatatt atgtcatcta gatcttatct tatctagagt cgatttgatt 480
ttacttatgg 490

<210> 35516
<211> 408
<212> DNA
<213> Glycine max

<400> 35516
agcttggcat gaccacaaca tggatgggca ttactcgggc tatggttgac aggttgctca 60

gggtgagcat gatttatgtc tcttcaggta ctggaatata ttatgtgaga ggccctggt 120
 ttaaccatt ttgacctttt tgaccgatag acaacacatt cgggatacat gtttcatttt 180
 actccaagtg agcatatggt atacacgtgt gtcatttggt tacacatggt gtttcacgaa 240
 aggacatgtc ttaaagacat gttacatggt ttgtgggaat tacatcatgg cacgggtttt 300
 cagagtgtca tttcagctcc cgccagttcc taaaagggtg tggccttctc tcttcattta 360
 aaaagactgc atattacggt ttctttgtct tcaatcttga atatttcc 408

<210> 35517
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35517

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 gatcacatgg agaatataga tcataatgaa gaagacagga gtagaagagg gaatgatggt 120
 gttcctagac aaaactgaat tgatgatatt aaactcaaca ttctctcatt taaaggaaaag 180
 aatgatccag aggcctactt ggagtgggag atgaatatag agcatgtttt ctcatgcaac 240
 aactatgagg aggaacaaaa ggtgaagctt gccgtcacgg agttttccga ctatgttctt 300
 gtgtgggtgga acaagctaca taaggagaga gcaagatatg aagagccaat gtgtgataca 360
 tggatggaga tgaaaaagat catgatgaag cggatatgtc cggctagtta ctcaagggac 420
 ttgaaattca a 431

<210> 35518
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35518

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 ctggagttgc tgcacaagat gtccaacgtt atgtcaaaga ataagatcgg gctgcacaat 120
 gcacaaggca agataaagtg tcaaatgaag aattgaagct gcaagattca cgatgtcgga 180
 tacaatgtcc aggacatcct gcccgaaaat actggaattg ctaaaagcat tgatattgct 240

cgatccacga tgtcggatac aatgtccagg acatcctgcc cgaaaatact ggagttgcta 300
 aaagcattga agttgcagga tccacaatgt cngatacgat gtccaggaca tcttgcccga 360
 caatactgga catataaatc tggtatatct ttaacagatt attgtgcagt tagcaagaga 420
 ttag 424

<210> 35519
 <211> 289
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35519

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 taaacggcac atcttatgat ggagactgag ataaaacaat ataccttgag ttcaatggag 120
 ttcactggag gcggaatgag gaataactgg gggggacgct tcattccatt cattaagcga 180
 taaaggcaca cgctagtccg aaattcacta atgttctctc agcggatcat aactgagcta 240
 tacacacgat cactatcatt gccgcttatt ttatcctgaa atcagatct 289

<210> 35520
 <211> 264
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35520

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 aaggtgagta ctttatgcgg ggggtattgat tagcataagc ataagccaca catcaccaat 120
 gtgtacaacc gccaacaccc ataggggtgca aaccacccag caattacaac ccacccaaag 180
 ggtgtaaacc acccaataan tatgcttcac ccaaaggggtg tcaagtcaga agaagtgaat 240
 catgggggaca tgaccctttg gaac 264

<210> 35521
 <211> 278
 <212> DNA
 <213> Glycine max

<400> 35521

atctctgact tgagtcatca agagactata aatatgtgac catggcatga atttaattaa 60
 taatttatct ttcagtcctt cttcatcatg tctcaacatc tttgaactct tctctacaga 120
 aatttctgag tcatttctct acctctttct taaagctttt gctcaatact ttttctttga 180
 agagaagtcc tttgatcaaa aacttgtgtt attcatcttt ttcattctct tctcgctttg 240
 ccacaagaac agaaggacta accgcctaaa ttcttttg 278

<210> 35522
 <211> 623
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35522

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 acctcaccca cccccacacc cgcnnnntta gtgctgcac cttgtactac gngacatata 120
 cataactcaag cttgctgcac tgagagacgg gttcccagaa gacagcagtt tgtcgttatt 180
 gctgagaacc ctcaccttgc gacaaatgct atggaagaag actaggagat ggacataagg 240
 aatccgcagt gttgcgagac agcaactgaa aagacgcctc tgttcctgac actgatgaag 300
 atgttccaac aactgacacc cacgacgact ctgagcctga tatcaatata gatgatgcat 360
 catcctgcga tccctatgct gaagaactct ctgccccac cgcagagaga gcgtcatacg 420
 aagatgatca tgcgacgaag gacacccctg caccagaggg accataacct gctccaggtg 480
 agctcattga cctggaagaa atgaaatctg atgatgaagc cctttgcaac cccggttgca 540
 cccgtgcgtg gcacaacgaa taaaagcct gaaacggagc actcgcatct agaggttggc 600
 gaaatatgac tatcgccata acg 623

<210> 35523
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 35523

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 atccataaac tcaatgtcac aatcaccttt gtgaatatga tccctaataa aatgatgctt 120
 aatatttata cgctctgtcc tagaatgcat gatagcattc ttagtgatac taatgacact 180

agtggttatca catcttaaag gaatatgtcc taaatgcaat ataaagtcag aaagttattg 240
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<212> DNA

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THE
FEDERAL
BUREAU OF
INVESTIGATION
OF THE
DEPARTMENT OF JUSTICE
WASHINGTON, D. C. 20535

| | | | | | | |
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 <211> 520
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35557

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 aaactgtata cataaattag gcactgtttc cacttgagag acaagtggcc tgatatatga 120
 tacgaggggg ggggcggacc ttctatcgga cggcgtccgt gataactctt atactcgacg 180
 ctgatctctc tatgaaaatc tggaagggtc tgaactgacc ccgtcacaag cattcattag 240
 ctgtactatc catcaaacc tacgcagccc agaattacaa gcactcttcc tatctctcta 300
 tatctgtcta tccatatctc tatatatatt gacagacaga tgatactca gtgctctcta 360
 tgatatcata atatcgtcgc cgcgacaaca agacatcgt ctgtcgaata tcaaagacta 420
 tctactacgc tcccgtatct tccacaattc atgaccctat tgtcttcaaa ccaactctata 480
 tcgccattct tgttactctc ccatccaact atatttatcg 520

<210> 35558
 <211> 215
 <212> DNA
 <213> Glycine max
 <400> 35558

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 aactgtgact aactgagct ctcattaaag tcaaagagct gcggaggcaa gaaggtagca 120
 aatcatgccg ctgtgaccag tgtccgcact aattatactg atcgtgaagt gccgggatca 180
 ccaacgcttg gcgcgcttat ctcaccgatg ccttg 215

<210> 35559
 <211> 420
 <212> DNA

<213> Glycine max

<400> 35559

agcttgccctg tccgatgcag cagtaatgat ggcccagatt atgttggtga acggttacga 60
acccgaagtg ggtttaggca aagacaacgg cggcataact agcctgataa atgccaaagg 120
aaatcgtggg aagtatgggt tatgctataa gccactcag gcaaataata agagaagcat 180
cacgggacag aagagcggta gtcaaagctc gcgatcgaga caagaagggt aaggaagccc 240
accctgccac ataagtagga gcttaataag cgcgggtctg ggggacgaac atcaagtggc 300
cgcgatatac gaagatgatg ctccgagtac attggatttg gtacgacct gcccttctga 360
tttccagctg ggaaattggc gagtgaaga acgccccggc atttacgca tgagcataat 420

<210> 35560

<211> 406

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35560

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tgccatctgc tctgatatcc caaagtaaga tggtaggttc ccaggcaagt ctcaaaaagg 120
tgccaaaatg tatttttggc actcttagat gaccaagcat ctcatgtatt agaaaagagg 180
aagaaagggt aggtagtga gagagtattt ctttgcagag ttgttgaggc actatcagtc 240
ttatccctcc tcctttacca tgatgagaag gatgggggtg gctctgttgt ctctcagtc 300
ctgagagggt ttcaaggaga ctattntaac agcttgacct atgtgagtct gtgggacata 360
tggtgtggc cataccatt cttggaaaaa actaaaaata agagac 406

<210> 35561

<211> 365

<212> DNA

<213> Glycine max

<400> 35561

agcttagtct ggctggatat gaaattctgg gttgaaaatt cttttcttta agaattgtga 60
atattggccc ccactctctt ctggtttgta aggtttctgc agagagatcc actgttagtc 120
tgatgggttt ccctttgtgg gtaaccaaac ctttctatct ggctgcgctt aatatTTTTT 180

<210> 35564
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35564

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 gggccttgaa ttccaattgg tccaggctgt ccctaagggtg gacagaagga gtgcaattag 180
 tcaatagagg acttagcatt aatacttctc attttccac gcacaaagag cactgtcata 240
 acttcactga ataatttttg ctaagagatc tgtgaggcac gccaaagttc cagacacgga 300
 tcagaaaagg ctatttttag gattgctaag cttatttgga tagaacacat tttataagca 360
 catttaataa gattcatgtg caccaagatc cttcaacttt 400

<210> 35565
 <211> 386
 <212> DNA
 <213> Glycine max
 <400> 35565

agcttgccac ttatgataac gcaggtttgt tgttctcttt atgtatgatt taaagaaaaa 60
 tgacctgaat aaaaaacagc tatctatgtc tatacctgtg tctatattta tatggcttca 120
 aacattttat atgaatatgt atttttatat atgtgtgtga atatgtacat attcatatac 180
 ttaaaggtaa gaaggaagca gaataatata aaatggatct ttccaatcat ttgttcatga 240
 aaagtgtgaa tatttgcaat ctcttcatac tcctttaaag tcaaaaatca atgacaagga 300
 ggtagtagag ttcggaacag atacaaatcc catttgagta atagatatac aaaagatgat 360
 tgagtattgc ctactgagtt aatgag 386

<210> 35566
 <211> 423
 <212> DNA
 <213> Glycine max
 <400> 35566

agctgtgaac cacaccaaac cctgacatgt atcatgtcta gccattctac aagcttcgag 60

agttatacatc gcacatatataa gaagtaagaa tttaatagtt aataaggatg tattaaagaa 300
 tcacaaactt caactactac attcatgact acacacaaag taaagcgagt taagtagtca 360
 tgcgtttaca catcaagaaa gacatactca tncaagacat atatatgggt cacaagggtt 420
 tcacaacact aatccacaca tcaagataga aatacagtta 460

<210> 35569
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35569

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 attcccaaac aataaagcag gacaccttat ggaagttatg gaaactttgc gttgtatttt 120
 gggcagatat taaaagtttag ttaattacat aataaacaca taagtatata taaagatggg 180
 taatttactt tttttaatat catgtgaaat ggaaaataat ggggaaagct attatttttt 240
 ccattcctat ctacatgaac ttgtccctcc ctttttcccg cctggaatac tgtacagcct 300
 gnctgactgc ctctaccact ttcacctgaa gaaatactac tagtttaaag cccattcatt 360
 tcacttaaca gtcacct 377

<210> 35570
 <211> 447
 <212> DNA
 <213> Glycine max
 <400> 35570

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 gaattctcca ttccagtgtc tgcagtgtgat gaggatattat ccctccctag atattaagtt 120
 aacaatccca atggagaaga tgtgcgtaaa tgaatcaaaa acttggtatc caaatttcac 180
 gaagatccaa tgggttaaaaa gtctcagatt gtagttttac taaaacagat ttgggtatat 240
 gcggaaaaaa ggaaagctac gacacggagg gaatttctct cagctccgac attgtttctc 300
 atattgcaac gatgggaatc tttggaaatg agttccagac ttggtgctca catttcacga 360
 cgatctaacg gttaacgagt ttatgatcgt cattttctga gacagagttc agtgtatgcg 420

cgaaaaagat agggctcttgg gagagga

447

<210> 35571
<211> 389
<212> DNA
<213> Glycine max

<400> 35571

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cactagtccct tagttaatat cactttcatg ttttcagggt ctgagatgca tttcaggagg 120
cagaaatgga tctcagggtgc atatggcttt gaacatatga ttccacttcg attatagtat 180
tattacttag acatagtctt gatgtttgcc cttgagcatc atttgctaaa gatgactatt 240
aggttttcct gcacatcca ttaagcaacc cccaacccca tctagcccag ctagcctctc 300
ttctacagga agggagtcag atattctcgg ccaacaagat gagtaccaca ctaatgcctt 360
cccagtctgg cccttagaga atttggtat 389

<210> 35572
<211> 379
<212> DNA
<213> Glycine max

<400> 35572

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catggagatg cactggacga taaaggagaa gacgtgagag aaggcaccat ccactacgga 120
ataagcgatg gaagaaggag ctttgccgcc aagaatgtgc cttggataag aagcttggag 180
aggatgcttc catggaggaa aagaaagaga gagagaaaga gagagggggg gagtaccaa 240
ttgaaggagg aaaaagggga gagaagttga actttgagta ttctctcaca agactctcat 300
tcatcaaagt taccatacgt gttaacatac ttctatttat agcctacgta gcttccttga 360
gaagctttct tgagaaact 379

<210> 35573
<211> 396
<212> DNA
<213> Glycine max

<400> 35573

ttgaacaatt atatgtttgc atacctatga aatgcaaata tataaaagaaa tatatatatc 360
tgcaatttat atgaacagaa tca 383

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<210>      35576
<211>      556
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      35576
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ccatcaatat ggatttgcag catgtattgt

390

<210> 35578
<211> 386
<212> DNA
<213> Glycine max

<400> 35578

agcttgacat atttaacata cttaggaact ttttttgtgc ggtgggaatt ctctaattgt 60
atcatgtggg ccttttgaaa gtaacaaaca gaaggccagt ctgttgcaag tttgctgctg 120
aacatcacat tccaccctaa gaaaacacaa ggtggattgc atcgaggggtg gataccttac 180
cttagcacag aaggaaaaag tatgtcagtg caaagtatgg actaaactgc tttcaggaaa 240
aaagttgtaa aaattgatac aggttgaaaa agggaatttt ccttcccggc ttggagtcct 300
cccaatttaa ggcagaacc atccactcca atttctgcag tttaaaactt tctctactta 360
tttagttgtc tcctctgagt tcaacc 386

<210> 35579
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35579

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taacattaaa gatattctgat aacaggaaaa tcctgnnggat tgacaaatat tacaaaggca 120
tcactaacat atcattgact ttggaattgc aaagctatct gcaaatacaa gaaaaatata 180
aatctctatg agtcttctgc actttttttt ttttttgaga cggagtttctg ctcttgccca 240
ggctggagtg caatggcacg atctcggtc actgcaacct ccgccttccg ggttcaagcg 300
attgtcctgc ctgagcctcc cgagtagctg ggattacagg tatgtgctac cacacctggc 360
taattntgta tatttagtat agacgcgggt tctccatgtt ggtcatgctg gtt 413

<210> 35580
<211> 215
<212> DNA
<213> Glycine max

<400> 35580

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aactgtgact aactgagct ctcattaaag tcaaagagct gcggaggcaa gaaggtagca 120
aatcatgccg ctgtgaccag tgtccgcact aattatactg atcgtgaagt gccgggatca 180
ccaacgcttg gcgcgcttat ctcaccgatg ccttg 215

<210> 35581
<211> 397
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35581

agctntacat ggagctacat catgtggtat cagagcatct tcacttaggt gatgctcttt 60
tgcttctct atcttttggt cagctaattc actttgatcc cttgctcttc atcatcttct 120
ccatgtatct cctccattat cttgtgatcc ggtattgtct agagtagatt caaaaaaata 180
aactgactaa atcttagatt tacacttggt catgcattct ctatggttca aattttatag 240
atctactctt gaatcatgct tttgcgtctg attctacgtt ctatcttttt tcagaaataa 300
tcttcttggt ctgagccttt agatatcaac tttcttacca aatattgatt acaaaagaaa 360
acacaaaaat ctaagtgcaa accatttgat tcatgtt 397

<210> 35582
<211> 406
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35582

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tgccatctgc tctgatatcc caaagtaaga tggtagggtc ccaggcaagt ctcaaaaagg 120
tgccaaaatg tattttttgcc actcttagat gaccaagcat ctcatgtatt agaaaagagg 180
aagaaagggt aggtagtggg gagagtatct ctttcagag ttgttgaggc actatcagtc 240
ttatccctcc tcttttacca tgatgagaag gatggggtgt gctctgttgt ctctcagtc 300
ctgagagggt ttcaaggaga ctattntaac agcttgacct atgtgagtct gtgggacata 360
tggtgtggc cataccatt cttggaaaaa actaaaaata agagac 406

<210> 35583
 <211> 294
 <212> DNA
 <213> Glycine max

<400> 35583

agcttgaatt tgaacaacag aagctcttga gatattctaa tggtcataac ttatcacacg 60
 gaagtccgat tcatgcgcac aatataatga gaccctcgaa attgcactac ggaagctctc 120
 acgaaacata aatggcgata acttttcaca cggatgtgca ttcaagtgc taatatatag 180
 agaagcttga cagtgaacaa tggaagctct ctagaaatat caatggacac aacttatcag 240
 acggaagacg cattctggcg cacattatat cgagacgcta gcaattgcac aaag 294

<210> 35584
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 35584

atcttaagtc actgggctgc agcttaacca ggggagatgg accatttcaa gttcttgact 60
 gaatcaatga ccatgcttac acagttgagc tgcccggaga gtataatgtc atctccacct 120
 tcgatgtctc tgatctatct ctattctatg caaatggaca atcctatttg aagatcaact 180
 cttctaaaga gggagagaat gatgatgaca tgaccaatag caatggacaa gatccacttg 240
 aaagacttgg aggacctatt gatgaggaca tgaccaagat ctatggcaat gatccacttg 300
 tacgacttgg acgacctatt acatcgtcta tagcaaggaa agccaatgaa gctcttcaac 360
 acatgcatga cataact 376

<210> 35585
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 35585

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 attttggccc ccactctctt ctggtttgta aggtttctgc agagagatcc actgttagtc 120
 tgatgggttt ccctttgtgg gtaaccaaac ctttctatct ggctgcgctt aatatttttt 180

ccttcatttc aaccttggtg aatctgatga ttatgtgtct tgggggttgct cttctcaagg 240
 agtatctttg tggcattctc tgtatttcct gaatttgaat gttggcctgt gttgctaggt 300
 tggggaattt ctcttgata atatcctgaa gagtgtttcc cagcttgatt ccattctccc 360
 tgtca 365

<210> 35586
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 35586

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 gttggtacct tcgcgattag attgcttctc ctatctctga tggaaagact ggaatctttc 120
 attgaatata atagccttta ttgagtaatt gacccaaact cataatatta ttcttcatat 180
 ttgggacata gtagacattt gatatgaatt catgtcttcc atctttcaaa taaattaaga 240
 tcttacatta tccttttaca agaatcttag aattatcacc aaatgagaca ttgtcactta 300
 ctgattcatc aagatccacg aacatgcttc tttctacac atatggttgc ttgcaccagt 360
 gtcaacgtat catgtgttgt cttggctacc ttcattacat gcacatgcta gaagcactat 420
 ttcaaacttc ttggcttttt gctccacat 449

<210> 35587
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 35587

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 attaatTTTA atattggttt tacattaata tggaagctaa tgtttgaact agatcagcca 120
 aagagtccca gtgcttatct aaaaagcaag tgactaatgt atggagaaat tcataattct 180
 gtactctaca tacccttttag catttatttt tccttctggc tgtagatttt tacaggataa 240
 tagatgattc tgctgtgga atacctcacc tgattccgat ttttcaactg aattcatact 300
 cctctgactg gaaaagaatt cttcatttct atggcaacca gggttttgtt ccctgtcccc 360
 tccatttaaa attccaagca gatacccttt atttca 396

<210> 35588
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35588

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 ctcgaaactc gataatctat ctgtattgct attntataat agagctccca cataagagag 120
 acagaaagac ataaactagt ctcttttgaa aaaaaaacca agaaagaaaa gagaaactga 180
 caaaaataat tagctttgga gttggtacag aattcttcca agttaactag aaactttgaa 240
 ttcaaaaacca gtacatacaa ttaatatgcc ggtggtacaa gcagatgatt gaattcttta 300
 agtaagcttc tatgtttgaa tcttataaat aaaaaaata tgtttaaaat gaaaaattct 360
 ataaacaaag atttcttaat ggacattaat tattaaca 398

<210> 35589
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35589

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 cccctttctc ctttcaatcc cgataaacca gtagagccag tgaatccttg aggacctgtt 120
 gggccttgaa ttccaattgg tccaggctgt ccctaagggtg gacagaagga gtgcaattag 180
 tcaatagagg acttagcatt aatacttctc attttccac gcacaaagag cactgtcata 240
 acttcactga ataatttttg ctaagagatc tgtgaggcac gccaaagttc cagacacgga 300
 tcagaaaagg ctatttttagg gattgctaag cttatttga tagaacacat tttataagca 360
 catttaataa gattcatgtg caccaagatc cttcaacttt 400

<210> 35590
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 35590

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 tgatgaaatt gtttctaatac ttaaagagcg tgtgaacaat gtcacgactg gcatacaaac 120
 tataagctgg aaagtttctg atgactgtaa aaatttcgag gacagtatct ctaacatctc 180
 acacgagcta tgggttgcaa acgaccatgt gagggagatg aatacggaaa aagagcagct 240
 aatgagagac aaaaaccact tgggtggagca gctgcagatt aaaaaagaac acgaagtg 298

<210> 35591
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 35591
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 tgacctgaat aaaaaacagc tatctatgtc tatacctgtg tctatattta tatggcttca 120
 aacattttat atgaatatgt atttttatat atgtgtgtga atatgtacat attcatatac 180
 ttaaaggtaa gaaggaagca gaataatata aaatggatct ttccaatcat ttgttcatga 240
 aaagtgtgag tatttgcaat ctcttcatac tccttttaaag tcaaaaatca atgacaagga 300
 ggtagtagag ttcggaacag atacaaatcc catttgagta atagatatac aaaagatgat 360
 tgagtattgc ctactgagtt aatgag 386

<210> 35592
 <211> 259
 <212> DNA
 <213> Glycine max

<400> 35592
 acctcttctt ttacatgacc attaacgaat ttggtgctca cattcatttg ctggaactca 60
 cagacaaaat gagctactaa tgcctaact acgtggacag aatctttctt agatgtagga 120
 gaaaaagact ctgtgtaaac tcatacttct atttgagtga accctttggc atcaaacgct 180
 gccttaagtc acgcaatgaa gccttgcgag tctttattgg ttataaaacg catctacatc 240
 caatggctat tacaccact 259

<210> 35593
 <211> 392

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35593

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 aagagattta attaatTTTT aacaattatg cagacatttt ttaaataaaa aacttagttg 120
 acatactgca gaatgcatca gagtctctta ctggcagaat tgatcaagca gaagaatcag 180
 tgaacttata aacaggctat ttgaaaatac acagaggaga caaaaggaag aaagaataaa 240
 aaagaatgaa gcatgactac aagatctaga aaatagtctt aacagggcaa atctaggagt 300
 tattggcctt aaaattattg gccttattgg cctgatgagg tagagagaga gagacggngg 360
 tagaaagttt attcagagga atagtaacaa ag 392

<210> 35594
 <211> 437
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35594

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 aacactaaaa aaaaactcaa ctccccctca gaaatcgtga tttcatctta aatagacaat 120
 cctgtcggtg ggcgcgcact tagcggaaga tgagctcgct tagcgcgcgt tagtgacttc 180
 tggcttagcg ctagtacac tcgctcaact tggaggtgaa gacaatgcgc ttagcgagtt 240
 gtgcttgctc agcacctcta tacagctcat ccttcttcca aaattgtccg cgcgcttagc 300
 cattatatgg tgcgcttagc ggatgacgcg cttagccaaa tgatgagtgg cttagtgagt 360
 tcatgacatc tgcactccac caatcttgcc tatnttacct gagattgaag tggaatgac 420
 attaaataca caaaact 437

<210> 35595
 <211> 377
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35595

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 attcccaaac aataaagcag gacaccttat ggaagttatg gaaactttgc gttgtatttt 120
 gggcagatat taaaagttag ttaattacat aataaacaca taagtatata taaagatggg 180
 taatttactt tttttaatat catgtgaaat ggaaaataat ggggaaagct attatttttt 240
 ccattcctat ctacatgaac ttgtccctcc ctttttcccg cctggaatac tgtacagcct 300
 gnctgactgc ctgtaccact ttcacctgaa gaaatactac tagtttaaag cccattcatt 360
 tcacttaaca gtcacct 377

<210> 35596
 <211> 677
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35596

ctcccactct ctcacacttc taantgggta ctagtgatgt tcttctcaga ccctgttgac 60
 actccanctc caccacagca ccacacncac cncaggnatt ttganatcga atttcccttc 120
 tcaganaccc cgcgatacgt ntagcataag agnatcgac gcctgctaag catntgtatg 180
 agagagtaat gatgatggac gatgtgatga atagtagaca tacacatcac acaagatgtg 240
 tggcgcactc attactgaga gtcatgatac gtcttgaagc tgatnatctc gcatagagat 300
 gagtcaatga gatataatnt acatgcgaca tcatcatgag ccctcttata tgatagcact 360
 agagcgcccc cacaaacata cgtatggaaa catagaatgg ctattcaaatt accacttgaa 420
 tgagtggagg ccaatcatgg agccaaaatt tctaatta tgattagtct attataacta 480
 tggttcaacc cactaatcct agaacaaggc catgatactt cactaagaga gcttaggacg 540
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 ggtagatcaa gtacatgctc atgctacacg tcttaatat aaatggattg cgcttctctc 660
 aatacaattc atctacn 677

<210> 35597
 <211> 389
 <212> DNA
 <213> Glycine max
 <400> 35597

agcttccttg tggaatttcc ctccccattt cagaatactt gcagatgtac attagtaatt 60
 cactagtcct tagttaatat cactttcatg ttttcagggt ctgagatgca tttcaggagg 120
 cagaaatgga tctcagggtgc atatggcttt gaacatatga ttccacttcg attatagtat 180
 tattacttag acatagtctt gatgtttgcc cttgagcatc atttgctaaa gatgactatt 240
 aggttttctt gcatcatcca ttaagcaacc cccaacccca tctagcccag ctagecctctc 300
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 <211> 229
 <212> DNA
 <213> Glycine max

<400> 35598
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 atcctcacac ctatctcctt ctcatctcct tgacgaacac agccatctga atacaatccc 180
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<210> 35599
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 35599
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 gtatttttaa attgtaggtt ttcaacccat taatgagttg caatctatat gtatacatgt 180
 atgatatgcc tggcacatta gatttttcaat aaataattat taaataatgg aaacgttcat 240
 aaaataaatt agacacagca agtagtaagt gctgttggtta tctatatccc ctactcctt 300
 gtccctttca agaaaaaat accctaaata atgaagagat ttcaaatgtg caactgtatt 360
 acatggtcta caacaggagt tggc 384

<210> 35600
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 35600

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 aaatatttta taacaaatgc taacttgtgc tctaagaaca ttagttgagg aatttaaagt 180
 agaaattatt ttactagaa aacgaaaaat tatgttccca ttatcttatt acgcttttat 240
 gatttaggca ataaatattt ttctctttta attctttaat caatgtctta agtacattac 300
 ttatcaatac ctatattcta tttatgctct agacagtatt cattgtattc gacaaatact 360
 ttttttaatt ttaaataaaa tgtgtgggga tgtagttt 399

<210> 35601
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 35601

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 aaaagaaagt gatattttta aaatcagaag gagtctcaac aatgtctgga taattacaaa 180
 aagagggaaa gaataagaac aaaataaaat cataaggaag aaaaaatata tttgcaattc 240
 attaagtgga atggattatc ataaaagtca tcctccttgt catcttcaca ttgagtaggc 300
 tgaagaggag gaggaggaga aaggattcat cttgctgtct caggggtagc agaggtagaa 360
 aaggtagagg aggtgaaagg tgaggcagga gaggca 396

<210> 35602
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35602

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004406-101699

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 accaactg ctgaactaga atgcatcac gccacctgct gattatatgg aagttcagac 180
 tctgggctg ccatcactat tagatcaagc acatccatca ttgaggttat gctatgacta 240
 ttgaaacccg atcacctttt gctcgtctac aattacatat gactcgtgc tattgcacca 300
 tgctgcgta gcgctcgact acaggcctct tggcataatg tatgatactg cttaacgaac 360
 agcttccgctc atgaccatac tggagtgggc tcggctaagt cacatactta ccgagcttat 420
 atccn 425

<210> 35603
 <211> 450
 <212> DNA
 <213> Glycine max

<400> 35603

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 tcttattggt tatagctttg gtgctagaat gttcaatttg gagtccacaa gaggaggatc 180
 tccatattggt gctggagitt ttgctggaga tggtaacaaga caagcaagtg aaatggagct 240
 ggagcttgta gagtatcatg gcaagtatat atgaaattag ccataaaaag ctagattgaa 300
 ttctgcgatt ataaattcat taagccctcc tagccaggtc agcattctag tctgtcccaa 360
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 atcaaacttc aagtcagtgt tgcataaaaa 450

<210> 35604
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35604

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 tcttatcttg tctgtgtctg tatgaactta aagatcctga gggcagacac tgtacctgat 180
 ttcatgtcat cttttcagga gcaaattcag gacctgacac ataagaactg gtggagaatt 240

acctgcagaa tagatgctga atctttgtgc ctctctgctc tccaagaaga tggcatgctc 300
 cttgatgaca agagccacct ctgatctccc ccatccagtc aaaatcttcc agaanacaga 360
 ccatcaatat ggatttgcag catgtattgt 390

<210> 35605
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35605

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 cacacctttt tgctatgtat aagactcaaa gcatgataga acgcagagac taatgtcgtc 180
 ttctgtgtct tccccatcc agaggcgacg gtcccgatga catgcgggaa ccatttggtc 240
 ccgcacttgc ttttgctatc tataatactc aaagcatgag agcacgcaga gattaacgcc 300
 gtcttctgcg ccttttgtca tccagaggcg gctggcccga tgacatgctg gaaccatttg 360
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<210> 35606
 <211> 386
 <212> DNA
 <213> Glycine max
 <400> 35606

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 aacatcacat tccaccctaa gaaaacacaa ggtggattgc atcgagggtg gataccttac 180
 cttagcacag aaggaaaaag tatgtcagtg caaagtatgg actaaactgc tttcaggaaa 240
 aaagttgtaa aaattgatac aggttgaaaa aggggaatttt ccttcccggc ttggagtctt 300
 cccaatttaa ggcagaaccc atccactcca atttctgcag tttaaaactt tctctactta 360
 tttagttgtc tcctctgagt tcaacc 386

<210> 35607
 <211> 625
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35607

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 cgtatcctat anagcggatc tgtatgcatg caagctgtgg gcatgttagc gtntgtggga 180
 anactgtatc tgtattcact gtagctctcg aatgcacaat cgagatgggt caagcacaaa 240
 tatatatatg ttgttgcgg cttgccacgc ataaatagtt tttatctggt cagattaagc 300
 atacacttgc tcatgcgacg acttcacata ctcaactata tcgcgtgcat gcttatgctt 360
 aatcatagga atggtacgaa tatgcgacta atattgagga gcgagtagac ttaatcctta 420
 ttctaggtca tatggtgaga caaaaattgc gctaagtgat tgcgcgatta taatcaaact 480
 cgacatgagg ctaacagggt tctccaagac ttaacatttc actttgaaac tgatctaagc 540
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<210> 35608
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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 tcactaacat atcattgact ttggaattgc aaagctatct gcaaatacaa gaaaaatata 180
 aatctctatg agtcttctgc actttttttt ttttttgaga cggagtttcg ctcttgccca 240
 ggctggagtgc caatggcacg atctcggtc actgcaacct ccgccttcg ggttcaagcg 300
 attgtctgc ctacgcctcc cgagtagctg ggattacagg tatgtgctac cacacctggc 360
 taattntgta tatttagtat agacgcggtt tctccatggt ggtcatgctg gtt 413

<210> 35609
 <211> 311
 <212> DNA
 <213> Glycine max

 <400> 35609

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 gtagatgcat gctgtgctaa gatcgtacta tcaattcaac aaagaccacg gtggaccttt 180
 caacaggccg cttacaacg gcctatcatc ttttacagga caaccaagct ggaggagact 240
 ttgactcaat tcatgcaggt gaccatgtca aatcacacaa gcactgagtc aacaatgaag 300
 aaccttgaga t 311

<210> 35610
 <211> 215
 <212> DNA
 <213> Glycine max

 <400> 35610

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 aatcatgccg ctgtgaccag tgtccgcaact aattatactg atcgtgaagt gccgggatca 180
 ccaacgcttg gcgcgcttat ctacccgatg ccttg 215

<210> 35611
 <211> 577
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35611

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 acgcaagctt canctgactt ccagtaaata tcttcaacta taatgcctta ctgccatcca 180
 gtattaggac atatccaagt aaagaaagga acacaatctc gcccgacggc ctcaaagggc 240
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acaggttgaa tatagattga tatatctatt atgactatta cacagacata ttattcctac 360
 ataccattcc aagaagaaag tgaaacgggt gagaaagatg gtagctactg cctgtctata 420
 gaatacaaac atgacattgc tcatgccatg atcgaatcgc cctcttgaga gaatgaacat 480
 atcagcatat atggctcgcc ccagaaccac aatcacaac ggtcgatcct atcattttga 540
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<210> 35612
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35612

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 aagaaagggtg aggtagtggg gagagtatct ctttgcagag ttgttgaggc actatcagtc 240
 ttatccctcc tcttttacca tgatgagaag gatgggggtg gctctgttgt ctctcagtc 300
 ctgagagggt ttcaaggaga ctattntaac agcttgacct atgtgagtct gtgggacata 360
 tggctgtggc cataccatt cttggaaaaa actaaaaata agagac 406

<210> 35613
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 35613

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 tgatgggttt ccttttggtg gtaacccaac ctttctatct ggctgcgctt aatatttttt 180
 ctttcatttc aaccttggtg aatctgatga ttatgtgtct tgggggttgc cttctcaagg 240
 agtatctttg tggcattctc tgtatttctt gaatttgaat gttggcctgt gttgctaggt 300
 tggggaattt ctcttgata atatcctgaa gagtgttttc cagcttgatt ccattctccc 360

tgtca

365

<210> 35614
 <211> 604
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35614

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 cngatcatct acatacgact gcangcatgc tagcttgtag tcttgcgag cacatcatgt 180
 acctttcttg accgtgttga tggatgatg cacacgcaca gtacacatac ctctggaatt 240
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 aagagcagac atcgatgcc actgcccagc ctgtgaaacg cgtatctgca gtgaccttgt 420
 gtgatcctga gtcgaactac aaggcggaca tacatattgc tgactctcgt gactctcagc 480
 gcgagagtgt accatcgatg taacgtgctg tgaggcctcg gaacgtaagg ttctcgtctt 540
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 accg 604

<210> 35615
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 35615

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 aagagtccca gtgcttatct aaaaagcaag tgactaatgt atggagaaat tcataattct 180
 gtactctaca taccctttag catttatattt tctttctggc tgtagatttt tacaggataa 240
 tagatgattc tgctgtgga atacctcacc tgattccgat ttttcacttg aattcatact 300
 cctctgactg gaaaagaatt cttcatttct atggcaacca gggttttgtt ccctgtcccc 360
 tccatttaaa attccaagca gatacccttt atttca 396

[illegible]

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|-----|
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| actctatcag | atatacacac | catcacacca | caacgacacc | gcnatttgaa | ttgtagatcg | 120 |
| tctcgttacc | tgcgatacnt | acagcgacct | gccagctgca | agctatggag | aatccaagag | 180 |
| ccaatgctgg | ttcttactta | ctcgcacctg | attctggctc | caatctctca | gtgggcttat | 240 |
| cttctgcgcg | cagcatcttg | ggatgttccc | agcctttgat | gacagctctc | caggatctgc | 300 |
| tatacacaga | gttgaggaag | gcccacattc | gtgcattcca | gtattcatag | gagggtccat | 360 |
| cctaaatagg | aggcacgagc | actggccctc | cttccttctg | catgttcatg | agaatatatc | 420 |
| ttcctagatg | tcactcagtg | agtatgagcg | cctgccctga | taccaactga | acatcctgta | 480 |
| ccggcgacaa | acgtcgacac | gatgtcacga | catctcgcac | taagcatgcc | aactgtccat | 540 |
| gactgtatga | acagattcac | caataaatta | cacgcgacaa | tcgtaacacc | cctcgggtgca | 600 |
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<223>      unsure at all n locations
<400>      35617
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14839

[illegible]

| | | | | | | |
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| tactcgctt | ncnacctcnt | catccgcgcg | gcgnaccanc | ncttgggaatt | tgagagactgt | 120 |
| tatccnttgc | cgggatccgn | gatanontac | agcagacctg | caagcttgca | gcgctcctgg | 180 |
| acatacttga | tggactatcg | cgctcgacag | aacgacctat | gacaatggga | gaggggggcta | 240 |
| gacgcactgc | tctcatagct | cagcctaacg | catagagaaa | cttacttttag | aagatacata | 300 |
| aagaaggtag | gaccacatct | acacatacct | ctctaatagc | taaggatagc | tcccttggtat | 360 |
| gagaacctac | agcttaccta | cacaccacgt | ataaacttta | atctcacacc | tatgaccaaa | 420 |
| gacatgaaaa | tcaagaatgg | gggccttatt | acacagacgc | ctcagaacgc | tccgaactac | 480 |
| atcgctgata | ccctaccata | ctagaacggc | cattatacat | ggcccatacg | aaggaggtgc | 540 |
| ctgacctagt | gtttacaaac | atcagcgggc | tcatacatag | cccatgggct | ccataactac | 600 |
| tcctaagctc | atgagaaccc | t | | | | 621 |

<400> 35619

14840

<210> 35620
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 35620

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 gtgcaataga gcctggcatc atcaacaagt ttgcaaaatc ttggaaatgc attagcaaat 180
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 ccaaactagc aacacggatg attccacaaa gcatttatac ctaatgcctc taacaacagc 360
 aagatagcca tcacaaacca caccaactag ctcaattctg taggctttcg cgtgcgcgat 420
 ctcatataca ttttctct 438

<210> 35621
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35621

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 acatactgca gaatgcatca gagtctctta ctggcagaat tgatcaagca gaagaatcag 180
 tgaacttata aacaggctat ttgaaaatac acagaggaga caaaaggaag aaagaataaa 240
 aaagaatgaa gcatgactac aagatctaga aaatagtctt aacagggcaa atctaggagt 300
 tattggcctt aaaattattg gccttattgg cctgatgagg tagagagaga gagacggngg 360
 tagaaagttt attcagagga atagtaacaa ag 392

<210> 35622
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 35622

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 tctcaaggat ataactcttc caatgggttg cttgaccaga catgaagagt ctataaaagc 300
 aagaccttga cttgcatttc aataactgtt tagaaaaact tttagaattt cttgaacaac 360
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<210> 35623

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35623

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 gggcagatat taaaagttag ttaattacat aataaacaca taagtatata taaagatggg 180
 taatttactt tttttaatat catgtgaaat ggaaaataat ggggaaagct attatttttt 240
 ccattcctat ctacatgaac ttgtccctcc ctttttcccg cctggaatac tgtacagcct 300
 gnctgactgc ctctaccact ttcacctgaa gaaatactac tagtttaaag cccattcatt 360
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<210> 35624

<211> 464

<212> DNA

<213> Glycine max

<400> 35624

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 actgccccac ttgccccaca aagtcctcca aaaatggctt aggaacttag agtccttate 180
 actaacaatg ctcttgga aaccatggag tctcacaatc tccttgaaaa acaaatcagc 240

cacatgggaa gcatcatcaa cttttttaca tggaataaaa tgagccattt tagataacct 300
atcaacaacc acaaaaatgg aatctctacc actgcttggt tttggcagcc ccaaaacaaa 360
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acgctgtacc ttagactctg ccctttttaca tacaatgcaa tggt 464

<210> 35625
<211> 389
<212> DNA
<213> Glycine max

<400> 35625

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cagaaatgga tctcagggtgc atatggcttt gaacatatga ttccacttcg attatagtat 180
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cccagtctgg cccctagaga atttggtat 389

<210> 35626
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35626

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ttctggtcga gttcactcca acacgatgaa tctgaggaca atgcttgatt angattange 360
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465

<210> 35627
<211> 384
<212> DNA
<213> Glycine max

<400> 35627

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gtatttttaa attgtagggt ttcaacccat taatgagttg caatctatat gtatacatgt 180
atgatatgcc tggcacatta gattttcaat aaataattat taaataatgg aaacgttcat 240
aaaataaatt agacacagca agtagtaagt gctgttgta tctatatccc cttactcctt 300
gtccctttca agaaaaaat accctaaata atgaagagat ttcaaatgtg caactgtatt 360
acatgggtcta caacaggagt tggc 384

<210> 35628
<211> 227
<212> DNA
<213> Glycine max

<400> 35628

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taggagtgga caatggagtt gagccttgca tcttgcatag tcatgttact aagttagccc 120
cgataaagga atagcttcca ctaaagctgg ctctttgtac tctatcacca acatagtga 180
catgctaata gccgggaagt ctgaaacttt ctcttttggt gaacata 227

<210> 35629
<211> 396
<212> DNA
<213> Glycine max

<400> 35629

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aatacatatt taatgttata tgtattatat actatattct tagaataaag taagatagag 120
aaaagaaagt gatattttaa aaatcagaag gagtctcaac aatgtctgga taattacaaa 180

aagagggaaa gaataagaac aaaataaaat cataaggaag aaaaaatata ttgcaattc 240
 attaagtgga atggattatc ataaaagtca tcataccttgt catcttcaca ttgagtaggc 300
 tgaagaggag gaggaggaga aaggattcat cttgctgtct caggggtagc agaggtagaa 360
 aaggtagagg aggtgaaagg tgaggcagga gaggca 396

<210> 35630
 <211> 569
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35630

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 ccccgaaattg aatcggttact tcgcgacctt aagnnactgn cagctgcaag ctctaactct 120
 actccatttc atttctctgc attgacactt aaccgctcca caccgaatcc aatgtatgca 180
 tggcaatgac ttttgagcac atcgccgttt cgtgatgata atggcggttac cttttgatcg 240
 acgagtgcta ttgacaagct tcaactcgca acttgctctg acgctgtcta tgcgctcgta 300
 tctattctgt atattgtctg gagctgctcg aatgatgcac tgcgctatcg aaatatataa 360
 aatgctgata cttggataaa gggatggact aatatgcaca ttggctcttc atcattcacc 420
 gcctggactt gtaccaaaga gtacagatcc cctctcactc caatcctacg gactaaaact 480
 acatcttgct gtgcgaactt gccatagcaa acaacgatgc cctcacgaaa ccaactcatat 540
 ctctacctgc acttcaatat ctccaccct 569

<210> 35631
 <211> 383
 <212> DNA
 <213> Glycine max
 <400> 35631

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 caggtaaaga atgtgtatac ctcttctact gtgaatctgc ctgttgtcag tttatttcat 120
 agacttagtt attgagccct cagaggatag agggaaagtc ttcctctca tatagaaggg 180
 aaaaggtagc tccgagagtg ggagaatata tttataatac atttctctaa gactacttat 240
 atccataatt tataaacaaa ttttgaaaat taaaagagag cagtagaata agcaaaacag 300

ttgaacaatt atatgtttgc atacctatga aatgcaaata tataaagaaa tatatatatc 360
tgcaatttat atgaacagaa tca 383

<210> 35632
<211> 436
<212> DNA
<213> Glycine max

<400> 35632

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tcttagttgg caaggtgatg aaacaagtcc tgagtgtggt ggagagtgtg ctgaagtatg 120
agatccctgc ggttataaaa ggtatgctag tgaagcaaat gcaacacaac ctttgaattc 180
gccaaaaaca acatccattc acttggtcct ttttgtatgg ttccagagga taaattttgt 240
tggttgctggg acaatgaatt tgcaagacag accttagctg gggatcaatcc agtgaatatt 300
gagctgtcga aggtagtgtt tcatacctgt ataggaagaa attattgtgt ggtactgtct 360
atagctccgt caatttccac gtaacacgcc accaaactca tcaatttacg acaaattaat 420
tatgtattac gtggag 436

<210> 35633
<211> 390
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35633

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agaggtgctt ctatgaacgt ccaggtctta tcctttatca cacatagcat catggcatct 120
tcttatcttg tctgtgtctg tatgaactta aagatcctga gggcagacac tgtacctgat 180
ttcatgtcat cttttcagga gcaaattcag gacctgacac ataagaactg gtggagaatt 240
acctgcagaa tagatgtgta atctttgtgc ctctctgtct tccaagaaga tggcatgtct 300
cttgatgaca agagccacct ctgatctccc ccatccagtc aaaatcttcc agaanacaga 360
ccatcaatat ggatttgcag catgtattgt 390

<210> 35634

<400> 35634

| | |
|-------|-------------|
| <210> | 35635 |
| <211> | 386 |
| <212> | DNA |
| <213> | Glycine max |

<400> 35635

| | |
|-------|-------------|
| <210> | 35636 |
| <211> | 251 |
| <212> | DNA |
| <213> | Glycine max |

<400> 35636

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acctcaccca ctcgagtgtgta tcacacaatt atggctattc tctaataaaa cactctcgcc 120
 ttttaccact ctaattcccc ttgagttctt acgcaattca agagattatg tgcacaacat 180
 agaacaattc atcaatatgc gtgaagcaac gctagacaat gaaaacgtta acccagaaaa 240
 aggctaacaa t 251

<210> 35637
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35637

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 taacattaaa gatattctgat aacaggaaaa tctgnggat tgacaaatat tacaaaggca 120
 tcactaacat atcattgact ttggaattgc aaagctatct gcaaatcaaa gaaaaaatatc 180
 aatctctatg agtcttctgc actttttttt ttttttgaga cggagtttctg ctcttgccca 240
 ggctggagtg caatggcacg atctcggtc actgcaacct cgccttccg ggttcaagcg 300
 attgtctctgc ctcagcctcc cgagtagctg ggattacagg tatgtgctac cacacctggc 360
 taattntgta tatttagtat agacgcggtt tctccatggt ggtcatgctg gtt 413

<210> 35638
 <211> 449
 <212> DNA
 <213> Glycine max
 <400> 35638

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 tctccatcat gccagacaac agcatctatg acaggccctt tatcatcata gctctacaac 120
 ataaaacagc atttcctttt caatgtaagg aattcaagtt gaaaaaactc tcagtgggag 180
 caaaaacaca agtataaatg tctctttcag ttcgagtcac tgagacgagt cagagggaga 240
 aaacacaaga aattcattgt ttatgtgtgg ccagatggaa aagaaaattc aacattatgt 300
 catacagaga caatcattct atcaacatcc tcattccacc acttatgagt gtcctataat 360
 gatataaatg cacatcaatt ggtcattacc tatttcaagg acaggaaaag acacacatac 420
 ccgaagagca acctatgaag atgacatgc 449

[illegible]

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agcttgctcc gttgaccata tatcgcttcc tttatgagcc cgatactgtg gtgacaggat    60
aactgtgact acactgagct ctcattaaag tcaaagagct gcggaggcaa gaaggtacca   120
aatcatgccg ctgtgaccag tgctccgact aattatactg atcgtgaagt gccgggatca   180
ccaacgcttg gcgcgcttat ctcaaccgat ccttg                                     215

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<400> 35640

| | | | | | | |
|------------|------------|------------|------------|-------------|-------------|-----|
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| ataacccttg | atctgaataa | ctgagcctac | accaatgtca | gacgctaatt | tcattccgggt | 120 |
| ataatgctcg | tatcattcag | atatgatggg | atgatcactg | ctaatacgaat | taccgtgttt | 180 |
| ggcatcgggt | acagtgacac | accaacgggt | atcgcggtgc | tttgatagtt | gtttgtcatt | 240 |
| ttcagaaaca | taagcctcca | tg | | | | 262 |

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<223>      unsure at all n locations
<400>      35641
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14849

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 tggctgtggc catacccatt cttggaaaaa actaaaaata agagac 406

<210> 35642
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 35642
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 ggtcataact ttctacacgg atgtccgact gcagctaate acatatcgat tcgctcacia 120
 ctgaacaacg gaagctcttg agaaattcaa acggctctat ctttacgcac ggatgttaga 180
 ttaaggcgca tcatatataa cgacgctcga atttgaacia cggtagctct cgagaaactc 240
 agattgacat cactttttcac actgatgtcc aatt 274

<210> 35643
 <211> 593
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35643
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 cccccaacca cgcgacacca ccttcgaatt tgatttgtac accgttctcg ncaccgggat 120
 atatacatcg actggagcat gcgagcttga agaagaaata agctacctct ctttaattcta 180
 tgcttaataa tagtagtaca gcagcttata gcacgacggg atcttacgaa gttttgtgtg 240
 ggaatgatag ccgacgtccc aagtacgcag catgtacgtt ctttgtgtac agtacggctg 300
 tagcaatgct acaggcgaac atcaattgga aaacagtgat atttacctga atgtgggtctc 360
 tattggattc ctacccccat gtatgagaga gagaaggagt ctgttggtaa tgtgcatgta 420
 tgagaaacgt gcncaggat ttatgcttct ctgctcgaga gttctatcac tacgtacgga 480
 actaagtaga atggttcgat gttgaaccct atgcccattc caatcattca tttattttat 540
 cagatcataa ctaacatgga tagatcttaa ttggtttcaa taccattgca ccg 593

<210> 35644
 <211> 365

<212> DNA
 <213> Glycine max
 <400> 35644
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 attttggccc ccactctctt ctggtttgta aggtttctgc agagagatcc actgttagtc 120
 tgatgggttt ccctttgtgg gtaacccaac ctttctatct ggctgcgctt aatatttttt 180
 ccttcatttc aaccttggtg aatctgatga ttatgtgtct tgggggttgc cttctcaagg 240
 agtatctttg tggcattctc tgtatttctt gaatttgaat gttggcctgt gttgctaggt 300
 tggggaattt ctcttgata atatcctgaa gagtgttttc cagcttgatt ccattctccc 360
 tgtca 365

<210> 35645
 <211> 586
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35645
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 acaccaagac acaccctgac ttcgaatcgt agccctaccg anaccgtgac atcnacatcg 120
 actgtggact gtatattata cgcaatctct acaccataac tgatattctc cgaacaccaa 180
 cgagaatgct tacataatcg tctgtcttgc tcacctaacg cgagataaac cactgacatg 240
 aaacatcgaa cctataccac ggagacagcc taataccctc cgaatacaga gtcgacactc 300
 ttcacatact agggtcgcat cgttgccacac aggagcaccg cgcacgcac cacatacgcc 360
 tcatgaccaa acagataccc aagcgtctct aacaatatcg ctagcaacaa aggcgaccgt 420
 cacggagcat aaagaatatc cgaacaatct ttctaccca ctgagagcaa ccctgcctga 480
 ccattgcatg cctttactga acccatacaa atccatcgcc caacgcgcca aaagaactcg 540
 atggaccaca ttatcgaaat gaacacccac atccaatcaa caaacg 586

<210> 35646
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 35646

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 aagagtccca gtgcttatct aaaaagcaag tgactaatgt atggagaaat tcataattct 180
 gtactctaca tacccttttag catttatttt tccttctggc tgtagatttt tacaggataa 240
 tagatgattc tgctgtgga atacctcacc tgattccgat ttttcacttg aattcatact 300
 cctctgactg gaaaagaatt cttcatttct atggcaacca gggttttgtt ccctgtcccc 360
 tccatttaaa attccaagca gatacccttt atttca 396

<210> 35647

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35647

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 cccctttctc ctttcaatcc cgataaacca gtagagccag tgaatccttg aggacctgtt 120
 gggccttgaa ttccaattgg tccaggctgt ccctaagggtg gacagaagga gtgcaattag 180
 tcaatagagg acttagcatt aatacttctc attttccac gcacaaagag cactgtcata 240
 acttcactga ataattttgg ctaagagatc tgtgaggcac gccaaagtgc cagacacgga 300
 tcagaaaagg ctatttttagg gattgctaag cttatttggg tagaacacat ttataagca 360
 catttaataa gattcatgtg caccaagatc cttcaacttt 400

<210> 35648

<211> 448

<212> DNA

<213> Glycine max

<400> 35648

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 acaaactcat ttttaaagtc aaatctttaa cacaaccagt ccatgcaacc atagcagcca 180
 atttattttc gtgacaattt agtccaaaaa gaaaaattcc ttaaacttgt tgtgttcata 240

acttttatta gaaagcttca atttatgtga aatttaaggc taaccctaca gtttgacacc 300
 caaggaactc attttttacc ttacaatttc aaaataaata acaacatatc tacagtttca 360
 gtcagggtag tagctacgaa ttttgaacat caaaacaaca ttcaatgaaa cttagctctc 420
 aaagacaaca agaatagggt tcaagaat 448

<210> 35649
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 35649

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 tgacctgaat aaaaaacagc tatctatgtc tatacctgtg tctatattta tatggcttca 120
 aacattttat atgaatatgt atttttatat atgtgtgtga atatgtacat attcatatac 180
 ttaaaggtaa gaaggaagca gaataatata aaatggatct ttccaatcat ttgttcatga 240
 aaagtgtgag tatttgcaat ctcttcatac tcttttaaag tcaaaaatca atgacaagga 300
 ggtagtagag ttcggaacag atacaaatcc catttgagta atagatatatac aaaagatgat 360
 tgagtattgc ctactgagtt aatgag 386

<210> 35650
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35650

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 cctgaaattt tgaagtccca ctcgtagaca cgcacttcac gactccgaaa atgccctcct 180
 ttcgcgattt ggagcagaaa tgatggccaa aggttgagc tttgtgggc aacaatgggtg 240
 gaggaagaaa agaagaagaa ggctgctgta gagagaggga gagcttctga aatttctttt 300
 gggctgagtg aggagagaga gagagatgct ctctggttct aaaaagggtt ctctctttnt 360
 ctattatttc atttaagcta tgccacatgt ctccattcga gtggcgcana aagggccac 420

tttctctttt gacgtgaccc atactcagc

449

<210> 35651
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35651

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acatactgca gaatgcatca gagtctctta ctggcagaat tgatcaagca gaagaatcag 180
tgaacttata aacaggctat ttgaaaatac acagaggaga caaaaggaag aaagaataaa 240
aaagaatgaa gcatgactac aagatctaga aaatagtctt aacagggcaa atctaggagt 300
tattggcctt aaaattattg gccttattgg cctgatgagg tagagagaga gagacgngng 360
tagaaagttt attcagagga atagtaacaa ag 392

<210> 35652
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35652

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attcccaaac aataaagcag gacaccttat ggaagttatg gaaactttgc gttgtatttt 120
gggcagatat taaaagttag ttaattacat aataaacaca taagtatata taaagatggg 180
taatttactt tttttaatat catgtgaaat ggaaaataat ggggaaagct attattTTTT 240
ccattcctat ctacatgaac ttgtccctcc ctttttcccg cctggaatac tgtacagcct 300
gnctgactgc ctctaccact ttcacctgaa gaaatactac tagtttaaag cccattcatt 360
tcacttaaca gtcacct 377

<210> 35653
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35653

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caccaacaag tgaatttaag atcttgatag aaatcggaga gatcattgag aggatataat 180
ttgagagaag caagatccat gagaaacaca aagaaatctt gatcaagaat aatagtcac 240
tgaagtacaa tgaagacgag aaaacaaaat ttaaagaaaa tactatggac tgtcaaaaac 300
cagtggcaac ctaagatgaa cctaagtctc catacttgaa caaacaacat gatagccaac 360
gagaatattt acaatgatca actagtanat ccaaactcga aaatataaac tcctcat 417

<210> 35654
<211> 389
<212> DNA
<213> Glycine max

<400> 35654

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cagaaatgga tctcaggtgc atatggcttt gaacatatga ttccacttcg attatagtat 180
tattacttag acatagtctt gatgtttgcc cttgagcacc atttgctaaa gatgactatt 240
agggttttcc gcatcatcca ttaagcaacc cccaacccca tctagcccag ctagecctctc 300
ttctacagga agggagtcag atattctcgg ccaacaagat gaggaccaca ctaatgcctt 360
cccagtctgg ccctagaga atttggtat 389

<210> 35655
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35655

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gaatacatgc atattaatga ggaagtgcac aacggcaaag gaaatggaaa tgattaagac 180

tctcaaattg atgaatctaa aacaagtacc ggtcttgcaa gagagtgtac aacttcaaga 240
tagcatcctc ttgataatat catcggcgac ttataaaaag ggataacaac tcgacactct 300
ctcacagatg ttgataattg ctaaatatga gcaatttatt ataatacaaa tatattggaa 360
atatctttta caatatttat ttagcaatta tgtttggctt aaatgataag aattaatatt 420
cttattattt atcgc 435

<210> 35656
<211> 384
<212> DNA
<213> Glycine max

<400> 35656

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gtatttttaa attgtagggt ttcaacccat taatgagttg caatctatat gtatacatgt 180
atgatatgcc tggcacatta gattttcaat aaataattat taaataatgg aaacgttcat 240
aaaataaatt agacacagca agtagtaagt gctgttggtta tctatatccc cttactcctt 300
gtccctttca agaaaaaaat accctaaata atgaagagat ttcaaatgtg caactgtatt 360
acatgggtcta caacaggagt tggc 384

<210> 35657
<211> 442
<212> DNA
<213> Glycine max

<400> 35657

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atctgtctta gaccagtaca atcatatgca tcaaagtttg aaagccttca taaaacatga 120
aaatgatttt gtgcatgaaa agttggaaac aacgtgttga aaaaacactt tctaaacatg 180
gcatectaaa cactgtcatt ttgagtaaca acattctgag tactgtagtc agcacaacaa 240
ctttctaagt gttgatttat cattacataa tttgtggttt cataacaact aacagatatg 300
ttgatttatg tgatgatctt ctgaacatga gcaaatgcac attgacatta ggttttcata 360
ctcatatcca acatttaata atgagtgttg tgactaacca cttaaaaatt cgaacttcgt 420

aagtgccttg accctttgtgt ca

442

<210> 35658
<211> 396
<212> DNA
<213> Glycine max

<400> 35658

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aatacatatt taatgttata tgtattatat actatattct tagaataaag taagatagag 120
aaaagaaagt gatattttta aaatcagaag gagtctcaac aatgtctgga taattacaaa 180
aagagggaaa gaataagaac aaaataaaat cataaggaag aaaaaatata tttgcaattc 240
attaagtgga atggattatc ataaaagtca tcatccttgt catcttcaca ttgagtaggc 300
tgaagaggag gaggaggaga aaggattcat cttgctgtct caggggtagc agaggtagaa 360
aaggtagagg aggtgaaagg tgaggcagga gaggca 396

<210> 35659
<211> 430
<212> DNA
<213> Glycine max

<400> 35659

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aatcacaaga tgtacctctt cagatggttt tctgactttt tcacatcgca ttttaagttt 120
tctataagtc ataactcttc taaatgcgcc tcttgaccac acatggagag tctataaaaag 180
caaggctttg ttttgcatth tatatcaatc caatcaatct tatacaagcc ttgaatctct 240
ttgaacttca tcttctttgt gccaaaagct ctacaaagtt ctctggttct ctaaaccttg 300
agaacttgcg ctattcattc ttttcatctc ttcacctct gtcacaaaga attcgacaag 360
gactaaccgc ctgaatcctt tgtgcgcctc tctttgccat tctccaaacg aacgaacgac 420
taactgcctg 430

<210> 35660
<211> 383
<212> DNA
<213> Glycine max

<400> 35660

agcttttggg tctcgttgag tttttggcta ttcacttttc tttcttgtga tgccctgtg 60
caggtaagaa atgtgtatac ctcttctact gtgaatctgc ctggtgtcag tttatttcat 120
agacttagtt attgagccct cagaggatag agggaaagtc ttccctctca tatagaaggg 180
aaaaggtagc tccgagagtg ggagaatata tttataatac atttctctaa gagtacttat 240
atccataatt tataaacaaa ttttgaaaat taaaagagag cagtagaata agcaaacag 300
ttgaacaatt atatgtttgc atacctatga aatgcaaata tataaagaaa tatatatatc 360
tgcaatttat atgaacagaa tca 383

<210> 35661

<211> 444

<212> DNA

<213> Glycine max

<400> 35661

agcttcatga tgatgaatca aatatgattc aagatgtttt gatgatgacc aagatgatga 60
caaaaagccc aaaagaatta tttcaagggt gagtcaacaa gttcaagatc aagattaaat 120
caagattaat ttcaagtttc aagaaatgac atccagaaga atcaagattc cagagaagat 180
gacttcacaa gggaagtatt gaaaagaatt tttcaaaaaa accaaacata gcacagtttt 240
gttttacaag aaaagttttt ctcaaaattt tctaagttac cagagttttt actctttggt 300
aattgattac tagtttcttg taatcgatta ccagtggtta agtttgattt caaaagcttt 360
taactgaatc tgctatgttc caattgattc ttaaatggtg caattgatta caatatattg 420
gtaatcgatt accagtgtat ctga 444

<210> 35662

<211> 390

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35662

agcttattgg gtctcataga atacttggag atcactagtc atcttcacta catgtttccc 60
agaggtgctt ctatgaacgt ccaggtctta tcctttatca cacatagcat catggcatct 120
tcttatcttg tctgtgtctg tatgaactta aagatcctga gggcagacac tgtacctgat 180

<210> 35665
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 35665

gagccaaatc tgtctctcct aaaccttgac ccaccgtgag aatgtccatc cttaccctcg 60
 caagcatata agaatacatg ggaaattccc tcttagagca atagagacag aatctttcct 120
 atgaaagcct aacaaagaca agacggaaac ttcctctatc catgagttgg agaacgctga 180
 cagaatagat aggaacttct ctatctacta atgggagaaac gtcaactagg aagaagacga 240
 atgatagata gctcctgatc atggatctaa cgagaaacag aacaaatgtg ctcaaaggctc 300
 tttggaccgg acaatatctg aacgatactg aattgtc 337

<210> 35666
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35666

ttcatgactt atttatgagc tcctttttatc ttgtggccag tttcaaata acttaaaatg 60
 taacattaaa gatattctgat aacaggaaaa tcctgnggat tgacaaatat taaaaaggca 120
 tcactaacat atcattgact ttggaattgc aaagctatct gcaaatcaaa gaaaaaatatc 180
 aatctctatg agtcttctgc actttttttt ttttttgaga cggagtttcg ctcttgccca 240
 ggctggagtgc caatggcacg atctcggtc actgcaacct ccgccttcg ggttcaagcg 300
 attgtcctgc ctcagcctcc cgagtagctg ggattacagg tatgtgctac cacacctggc 360
 taattntgta tatttagtat agacgcgggt tctccatgtt ggtcatgctg gtt 413

<210> 35667
 <211> 314
 <212> DNA
 <213> Glycine max

<400> 35667

agcttcgatt tgctgcgatc cgcgaggaac atgcatcaac cgcaccgatc agtggcaaaa 60
 cagcacaatc gtgaagcata agaggagaca acagagagaa ggacagagag tcaccgacct 120

aggattgcat cttcgtcctc ctcgccggtg gtgacagcaa cctcctcgag cttgacgatg 180
 ggagcgacgt gtgctccggt gttctctgcg acgacgacgg cgggtgcctc cttctcttat 240
 cggagctcgg gatcggcgct cgacatcttg tggaaggaga gatggacaca gagagataga 300
 gagagagatc ccgt 314

<210> 35668
 <211> 215
 <212> DNA
 <213> Glycine max

<400> 35668

agcttgctcc gttgaccata tatcgcttcc tttatgagcc cgatactgtg gtgacaggat 60
 aactgtgact aactgagct ctcattaaag tcaaagagct gcggaggcaa gaaggtacca 120
 aatcatgccg ctgtgaccag tgtccgcact aattatactg atcgtgaagt gccgggatca 180
 ccaacgcttg gcgcgcttat ctcaccgatg ccttg 215

<210> 35669
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35669

agcttgaagt gagaaagtgt ggaagagtca gtctccctac ttttattcgt tgaccacaga 60
 gtggtacctg gagatatgtc gcgngggtca ggagaccttg nggacgtcag gtgggggtgct 120
 attgccccaa accaagcttg accaatcctg acccaaccg gccatagtca gttagtgaga 180
 acctgtgacg tacctaaaca ggcgagctcc tggcagtcaa ccgataaaag aacaaagacc 240
 acaaagcaag taggcttggtg tgggtggctgg ccagctatgg atcttgagtg attatggcct 300
 ctggtaatcg attaccaagg gtgtgtaate gattacaagg cttaaaaatg aagacaagaa 360
 gttaagatgg tctctggtaa tcgattacca aggggtgtgta atcgattacc aggcctaaaa 420
 atgngnctcag gaagctgaga t 441

<210> 35670
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35670

agcttaagac ggatgttaaa gtgggtgtgt tctgccttca tctagtcaca gacaagagaa 60
 tgccatctgc tctgatatcc caaagtaaga tggtagggtc ccaggcaagt ctcaaaaagg 120
 tgccaaaatg tatttttgcc actcttagat gaccaagcat ctcatgtatt agaaaagagg 180
 aagaaagggtg aggtagtga gagagtattt ctttgcagag ttgttgaggc actatcagtc 240
 ttatccctcc tcctttacca tgatgagaag gatggggtgt gctctgttgt ctctcagtc 300
 ctgagagggt ttcaaggaga ctattntaac agcttgacct atgtgagtct gtgggacata 360
 tggtgtgtggc cataccatt cttggaaaaa actaaaaata agagac 406

<210> 35671
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 35671

agcttgcgga ctataccttc taccaaacac ggccgtgttt ctgtctcggc ccggatctaa 60
 ggccgggttg agcaccggct tcgtctcct aactgtactg gaggcggctg acgtggcttt 120
 atcctctata gttttctgga cttttaacat gacctccgag atggaagcca tttgatcttt 180
 taaagccgat agatcggcct tcctctgttc ctgcacgcc tcttcagtat ccatttttct 240
 ggatcgagtg ttataggggt gccttggtgt tttcttagct atgatgaaat tcctaaagaa 300
 ataaacaacg gcgagtatgc caccaaaaca tgaatatgca aatggatgat cggagcactt 360
 ggatccaccc caaggtttct agataacatg atgatgtcag aacttctca 409

<210> 35672
 <211> 453
 <212> DNA
 <213> Glycine max

<400> 35672

agctctgatg agaaaacttc cttgagaagc ttctttgaga aaacttcctt gagaagctag 60
 agcttaggct acacacaccc ctctaataac taagctcaca tccttgagaa gctgccttga 120
 gaagattcct aaagaagcta gagcttatct acacacacat ctgtaatagc taagctcacc 180

tccttgagat gagaagctag agcttaagta cacacccctt ataatagcta agctcaccoc 240
catgccaaaa tacatgaaaa tacaaaaaaa agtccctact acaaagacta ctcaaaatgc 300
cctgaaatac aaggctaaga ccctatatta ctataatggc caaaatacaa gcctagaaga 360
agatttacac agaagagtgg acccaacctt ggcccatggg ctcatgagaa ccctaaggcc 420
ttcttttagca gctctagccc aatcctcttg gag 453

<210> 35673
<211> 365
<212> DNA
<213> Glycine max

<400> 35673

agcttagtct ggctggatat gaaattctgg gttgaaaatt cttttcttta agaatgttga 60
atcttgcccc ccactctctt ctggtttgta aggtttctgc agagagatcc actgttagtc 120
tgatgggttt ccctttgtgg gtaacccaac ctttctatct ggctgcgctt aatatttttt 180
ccttcatttc aaccttgggtg aatctgatga ttatgtgtct tgggggttgc cttctcaagg 240
agtatctttg tggcattctc tgtatttctt gaatttgaat gttggcctgt gttgctaggt 300
tggggaattt ctctggata atatcctgaa gagtgtttct cagcttgatt ccattctccc 360
tgtca 365

<210> 35674
<211> 460
<212> DNA
<213> Glycine max

<400> 35674

gcaagcttat tgggtgtagt actcactact gctgcaatat atttttcaca gagaatgata 60
cctctagata ccatacataag agatatgact accttgccggg ttatcactaa atgcctagtt 120
agatctctcc cttatacgtc ctttaaatat gggcacggag caaacacgct gcggggccatt 180
tttactctgc catgcataag tatcatatac ctttttgctt atgtgcagag aatattatca 240
tactgtgtac atctccgcat tgcgtctttt gcatacgcac cgcataatggg acctgtcttg 300
atcccttctg tatacaaacc aacggagggt ccgtgtcgcc ttcttaaaaa cgtacgctgg 360
ggcactttgc taccctaga cattgtgtct aagaagggtga cgaagtcctc cggacccccg 420

cattcctaga tacatcttgt gtatatgcac tccttcatgc

460

<210> 35675
<211> 396
<212> DNA
<213> Glycine max

<400> 35675

agctttttaag tatctgtcag ggcctaatac atttctgcaa catgaatgaa atggatgaaa 60
attaatttta atattggttt tacattaata tggaagctaa tgtttgaact agatcagcca 120
aagagtccca gtgcttatct aaaaagcaag tgactaatgt atggagaaat tcataattct 180
gtactctaca tacccttttag cattttatfff tccttctggc tgtagatttt tacaggataa 240
tagatgattc tgcctgtgga atacctcacc tgattccgat ttttcacttg aattcatact 300
cctctgactg gaaaagaatt cttcatttct atggcaacca gggttttgtt ccctgtcccc 360
tccatttaaa attccaagca gatacccttt atttca 396

<210> 35676
<211> 308
<212> DNA
<213> Glycine max

<400> 35676

agcttgagcc taacgatgct cctagctgct gcttccctta tctctaacag tctccctctt 60
tatggctttg gtgatgcccg acttcactat gacaccgagt gcatgaggag aggcttgata 120
tggcattgga ctcttgactc ttagacttat tgtgaaaaaa tctcactact taatacatga 180
cctattgatt atcttcatcg tagatgggaa gatctcaagt actatatata accgtgctga 240
gcatgctatg caatgcacgc tatacggact atgcaatatg caatgtctac ttctccctt 300
gttggcat 308

<210> 35677
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35677

agctttgctg gtcttacctt atctcctttt ggtccataag gtcccagaag gcctgngaaa 60

cccccttctc ctttcaatcc cgataaacca gtagagccag tgaatccttg aggacctgtt 120
 gggccttgaa ttccaattgg tccaggctgt ccctaagggtg gacagaagga gtgcaattag 180
 tcaatagagg acttagcatt aatacttctc attttccac gcacaaagag cactgtcata 240
 acttactga ataattttgg ctaagagatc tgtgaggcac gccaaagttc cagacacgga 300
 tcagaaaagg ctattttagg gattgctaag cttatttgga tagaacacat tttataagca 360
 catttaataa gattcatgtg caccaagatc cttcaacttt 400

<210> 35678
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 35678

agcttgccac ttatgataac gcaggtttgt tgttctcttt atgtatgatt taaagaaaaa 60
 tgacctgaat aaaaaacagc tatctatgtc tatacctgtg tctatattta tatggcttca 120
 aacattttat atgaatatgt atttttatat atgtgtgtga atatgtacat attcatatac 180
 ttaaaggtaa gaaggaagca gaataatata aaatggatct ttccaatcat ttgttcatga 240
 aaagtgtgaa tatttgcaat ctcttcatac tcctttaaag tcaaaaatca atgacaagga 300
 ggtagtagag ttcggaacag atacaaatcc catttgagta atagatatac aaaagatgat 360
 tgagtattgc ctactgagtt aatgag 386

<210> 35679
 <211> 561
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35679

cctcctcgcc ataccaagn gatagatatc gtaagtgtac tgactattca aatnatactc 60
 acgccgccgc gaccacattg attgattgta acactcggga cattaaggaa ctgtcagctg 120
 cagctcgaac tactgctatg tctcgatatg ggctgagccg agactaacgt catcccactg 180
 caatcctagc atctatcctg aacacgcagg gtaactagtt gatcgcaaga ccatactatc 240
 tttatagcgt gtcatacgac actttacatg gaccatattc ttgcctatgg aggctcaaaa 300

tgaaacgctc tacgtacgac gtacacatat gtacctctaa cttcttaagt acaggtgaca 360
tatggggcat ttcatgatg tactcactcc gacctcttac actggcgagt ctaagagatg 420
agaacctcct gataaacgcg cttgttacac gtctatctga agtgacgaca tggtcacaa 480
tggccttacc aagctcgga ccttaaatgc cggaaactaa caacagtatc cagtcgtact 540
atactctatt gacattacc g 561

<210> 35680
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35680

agcttgatga aattcaggat agcacagaaa caattcagaa tactgtcaga caaatttaca 60
aagagattta attaatTTTT aacaattatg cagacatttt ttaaataaaa aacttagttg 120
acatactgca gaatgcatca gagtctctta ctggcagaat tgatcaagca gaagaatcag 180
tgaacttata aacaggctat ttgaaaatac acagaggaga caaaaggaag aaagaataaa 240
aaagaatgaa gcatgactac aagatctaga aaatagtctt aacagggcaa atctaggagt 300
tattggcctt aaaattattg gccttattgg cctgatgagg tagagagaga gagacgngg 360
tagaaagttt attcagagga atagtaacaa ag 392

<210> 35681
<211> 447
<212> DNA
<213> Glycine max

<400> 35681

agcttgtttc taccgttcca attaaggaat ctttatattc gctatgccta atatctctta 60
agcacattaa aactgctaca tctatgccca tatctattaa ggtcttgatg gctacttggg 120
cacaaccgat gtgtaaatac ttgtatttac ggctatgttc ataaattgag ttttttggaa 180
gcaaataaaa cttttccct atgtcttgtc ctagaggaat attatcttct actgttttta 240
ttatataatt aaagttagt ttgtcttta ttgtttcaag aacatacagt gtatcgtgag 300
ggatttctgg gatgtccag tcatccatat ttgatatat atctttgaat cggacttcct 360
catcgaagag attgtgtttt gtggcgacct catgggtctg ggtttcatgc tcattgagaa 420

aattgttgct cttgggtgac atcattg

447

<210> 35682
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35682

agcatatcat gtttgtttta tatcagtctg acactcattc tatctttttt tagacaaagc 60
attcccaaac aataaagcag gacaccttat ggaagttatg gaaactttgc gttgtatttt 120
gggcagatat taaaagttag ttaattacat aataaacaca taagtatata taaagatggg 180
taatttactt tttttaatat catgtgaaat ggaaaataat ggggaaagct attatttttt 240
ccattcctat ctacatgaac ttgtccctcc ctttttcccg cctggaatac tgtacagcct 300
gnctgactgc ctctaccact ttcacctgaa gaaatactac tagtttaaag cccattcatt 360
tcacttaaca gtcacct 377

<210> 35683
<211> 389
<212> DNA
<213> Glycine max

<400> 35683

agcttccctg tggaatttcc ctccccattt cagaatactt gcagatgtac attagtaatt 60
cactagtctt tagttaatat cactttcatg ttttcagggt ctgagatgca tttcaggagg 120
cagaaatgga tctcagggtc atatggcttt gaacatatga ttccacttcg attatagtat 180
tattacttag acatagtctt gatgtttgcc cttgagcatc atttgctaaa gatgactatt 240
aggttttcct gcatcatcca ttaagcaacc cccaacccca tctagcccag ctagcctctc 300
ttctacagga agggagtcag atattctcgg ccaacaagat gagtaccaca ctaatgcctt 360
cccagtctgg cccctagaga atttggtat 389

<210> 35684
<211> 432
<212> DNA
<213> Glycine max

[illegible]

| | |
|-------|-------------|
| <210> | 35685 |
| <211> | 384 |
| <212> | DNA |
| <213> | Glycine max |

| | |
|-------|-------------|
| <210> | 35686 |
| <211> | 382 |
| <212> | DNA |
| <213> | Glycine max |

agcttctnct tcttttcct ataaataggg gaatgacgga agaacaaaaa gggtcaaccc 60
tcctgggtatc agagaatcac ttaaaattag cgagaaaaat tgtttcggtg aagaaaatcc 120

aagccgagggc gcttccataa cgcttccgag acattttcgt ggggtgatttc gcgaggattt 180
 atcgncgttc ttcacggtc ttcgttcgtt cttcgacgtt cttctgtctt caaccggtaa 240
 gttcccga aa tcgaactttt caattcattc tatgtaccct tacgagtcct catttgtctc 300
 acgtgttctt attgttattt catttacttt ccgtaccccc ttttgacgtg ctttaatcat 360
 ttattcaagt cattttctcg cc 382

<210> 35687
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 35687

agcttatgta ctaattgcct acagttgact ggaaaactta ccgataacaa cctgtcaatt 60
 aatacatatt taatgttata tgtattatat actatattct tagaataaag taagatagag 120
 aaaagaaagt gatattttta aaatcagaag gagtctcaac aatgtctgga taattacaaa 180
 aagagggaaa gaataagaac aaaataaaat cataaggaag aaaaaatata tttgcaattc 240
 attaagtgga atggattatc ataaaagtca tcatccttgt catcttcaca ttgagtaggc 300
 tgaagaggag gaggaggaga aaggattcat cttgctgtct caggggtagc agaggtagaa 360
 aaggtagagg aggtgaaagg tgaggcagga gaggca 396

<210> 35688
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 35688

agcttttggg ttcgctgag tttttggcta ttcacttttc tttcttgtga tgccctgtg 60
 caggtaagaa atgtgtatac ctcttctact gtgaatctgc ctgttgtcag tttatttcat 120
 agacttagtt attgagccct cagaggatag agggaaagtc ttcctctca tatagaaggg 180
 aaaaggtagc tccgagagtg ggagaatata tttataatac atttctctaa gactacttat 240
 atccataatt tataaaacaaa ttttgaaaat taaaagagag cagtagaata agcaaacag 300
 ttgaacaatt atatgtttgc atacctatga aatgcaaata tataaagaaa tatatatatc 360
 tgcaatttat atgaacagaa tca 383

<210> 35689
 <211> 320
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35689

 agcttgtttta attatggngt acccatcaca tgtggnacta ggtggcggtc gggcgatggt 60
 gcacaacaaa gctttcacat ccacaatgcg cgcataaacc caccatcccc tgttgccac 120
 ctccaactga gctcacgtac tcccacgtag cccatctnnc tcgttctctc aacaccgggt 180
 ccccatcaat cctctcaagc ttgcacaaca tocaagcaaa acaacgttca aacagcacia 240
 gctatcacag ccaagcaaaa caagagcaaat gcagaaaact ctgctcaaca catcaaccaa 300
 aatcacagct tttctcacgt 320

<210> 35690
 <211> 532
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35690

 agganagcna nnnnnnnnnn ngggagagcg ggcatagtnc ntcgaacncc ctccccntta 60
 agnnanacnc acagctagnng cgcactgaca cgctaagcct agtggttctc aatgtttgta 120
 tttttgtgtc gggctaagcg ccagttgcac gctaagccta ataagcttac tggctttnt 180
 tgttgcaatt gggctacatt ntgggttaact tttatagtta acacattttg aggcatgttt 240
 tggttgaata gattgcatga ccgagacatt gtgaactggt tattaatggt gtngaaattc 300
 tgatttttga gtgagcacgc gttggtgttg ggtgatggtt ttgtgaatta aatgcgtgtg 360
 agtgagttgg ttagcttgca tgacangaaa ttgtggatga aaaactaaat gcttcacatt 420
 accgtgtgaa gtgtgtgcac ttaattgcat gagaaccact gaatcaatnt cttgattttc 480
 atgaatctga atttctggtg caacatgatg agatataaca agcctggtgt ta 532

<210> 35691
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35691

atgctaataa tgtccttatt gatccatatt gtgtatgtgt gattgcattg aatatgatga 60
tgtgaaaagt cggcgattat aacttcagtc gatttacatg aaatacacat aaccgaaaac 120
acttgtgtgc ttgagagaaa cactagctct gtgaggagtg aaacatagtt gatctttatt 180
tgatacctgt catacttgct aacctatttc aaactctgag tgcattcttt acatgatccc 240
atcatgaaaa ctgtgacaag tgtgaacttg aggattggaa gctaaaattg ttcgaaaagt 300
acgcaattat ctgagttggt gtgattcatt acatcctana cattgtcatt aatctaactt 360
agtgtagtat tag 373

<210> 35692
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35692

atgaaaatgg atttggacgg cagccagact tgttttcaag atacatgta gttataactt 60
ataactaggt aaaattgatt ntgcctcana accttggttt gactagaagc gataaacgta 120
gcatttgtgt tgtgtgaaa attttgcact aagttgtata gcaaacttgc tttcaggata 180
aaagtattca aacataaatc acttcaacttg aaaatcaatt ttaaccanaa tcaattntat 240
aacgccaatt tcattcataa tcaattntgc aaatgctcgc ccaaacacac actccaacac 300
aaaaatcctt gttnttcaaa ggcaacacac tgcaagttag agtatcatag ctgtctatgc 360
aaaggctcgc tgcattactt tatagatatc atat 394

<210> 35693
<211> 301
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35693

atctgaggat cacttgagag tgagtgataa taatcgatct cgtgaagaan atccaagtcg 60
aggcgctctt cgtaactcgt ccgagacatt tccgtaagca aatccgtgaa gattntccgc 120
catccttcgg tcgttcttcg ttgttcttcg gtcttcaact ggtaagttcc cgaaatcaaa 180

cttttcaatt cattctatgt acccttggtg gtcccttctt gtatcgcgta cttttatatt 240
 catttcattt actttccgta ccccttatg acgtgctnta gtcatttatt taagtcattt 300
 t 301

<210> 35694
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35694

cacaatattc tctaagattc tcttgatctc cctgttaaaa atttctgcct gtccattggt 60
 ctggnggtgg tatggtgtgg ataccctgtg taccaccccg tactttttaa gcaaggcatg 120
 cattgttctg ttgcaaaaat gggttccttg atcactaaca atntcttttag gtactccaaa 180
 cctacaaaac agatttagacc tgacaaaatc tacaacaact ntagcatcat tagttctagt 240
 gagcttggct tccaccatt ttgaaacata gtcaactgca aggagaatgc taacataacc 300
 aanagagaca tgaaaagggc ccatgaaatc tataccccag acatcaaaca cctcacagaa 360
 tagcatantg tngtgaggca ttnggtgtcc g 391

<210> 35695
 <211> 205
 <212> DNA
 <213> Glycine max
 <400> 35695

caatccaatc cttgtgtccg gactctcagc cacttatgat agccgccgat gatcccat 60
 ctgcttcccc taagctctct gtcccttctt cacgccgcat cccatgcctt gcgaactcct 120
 tggagtaacc tcgcgttggtg gtcactgaaa ccccggtcga tgaaaggcgt gatgctttcg 180
 tctgatggca ctccctctcat gggac 205

<210> 35696
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35696

taaaaacaaa gtagttgatg ttgaagtnta taatattaag aaagaaaaat ttcaatggaa 300
gttacttttgc cttcaggagg gaattgatca atgtgagaat atataaccat taagttacat 360
t 361

<210> 35699
<211> 235
<212> DNA
<213> Glycine max

<400> 35699

agctttctcta tttcttgata cccattctac attttcagca ggcagagggtt ctacaacaga 60
atgacctcca cgcccatgat agaccaaatt ggagagattc cccatctgag atggaatcct 120
ccccatgaat ccattaccac agacgtctgg gtgagtcaaa gatgtcattg cacataggag 180
agaacgaatt gacatacctt cttcaaggaa ttcattggcg ctcacgtcaa gatat 235

<210> 35700
<211> 276
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35700

cttgacaact ccttgttttt attttatcaa tacgcagaga tgacagttga gagagtgatc 60
caatacttcg aaatggattt ccaactgaatc tattaataga cagatagaga tatcttaatg 120
atgaaagttt tcaaaatgat cttggaagag caccaccaat taagttgttg gaaaaatcta 180
gcatgtcaat atttctaaaa gcctcaattt gatctgtcag attgcctgaa agttgtgaac 240
tccgaacttg cagtgttgtg agtncatggg aaatac 276

<210> 35701
<211> 273
<212> DNA
<213> Glycine max

<400> 35701

accatatgag tattgggata gggaagcgaa tcgtgggctc tatcacctga taccaaacca 60
gataaccacc aaagctatca actctaccat catacatact cgatgcagtg taattcccat 120

<211> 399
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35704

 agctntatatt tatntatat atcatatttc tataatctaa tgtattttta tcacactatt 60
 caaaaacttat ttataaaagt aaatatataa tataaattta tctttaatgt atattttttt 120
 acataaatta taatttcata aaataaaaagt attttattat cttattaata ttatatatt 180
 tgatttaatg acaatatctt ttatctatat taacatatcc ttgttattta ttatattagt 240
 attgctttta ttatatatta actctattta atcagatata aattttttta aaagaagnta 300
 aatatatagt aaagttacat aattactatt ttctattttt taaaatattt atgtatataa 360
 attaattcgc attatttttt tatctatgct ataataaat 399

<210> 35705
 <211> 369
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35705

 tataaaactc agcttattca gacaagaaat aaagatttnc agatggatgt tctttatttc 60
 tctagagtct tagaaagggt atatgaaata ggaagggaat tccaattgaa gtacccaaaag 120
 gtttgccaa gaaatttaag ttaaaaagtt tttttcaaca aatttactct ctggtaatcg 180
 attaccagag gatgtaatcg attaccagtg gccaaaactg atttacaaca actattaaaa 240
 tttgaattca aaatttgcatt tgtgtaatcg attacacata tatggtaatc gattaccagc 300
 agtttctgaa tgttttaatt caaatTTTaa agcttgtaat cgattacaca tatactgtaa 360
 tcgattacc 369

<210> 35706
 <211> 527
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35706

 tgagtnnanc nnnnnnnnnn nnnnnnnnggg gggtagctgn cacttagcna tcgacnnnca 60

atttaantna gctngcgcgc cgggatactn tagagtngan gtgtaggcat gcatatttct 120
 ttatatatta ttcgccggaa tcggacgtag agtgtgataa gttatgacca tttgaatttc 180
 tcgagagctt acgatgttga atatatagcg tatcgatgta ttatgcgctt taatcagact 240
 ttagtgtgat aagttatgga gatctgaatt tgttgagagc tatggatgat aagtaatgag 300
 cttatttata taatgtactg cttaatcggt ggtaagtgtg ataagtcatg acaatatgta 360
 attatcgaga ggggtcgggtg ttcgttgcaa agatcatgat atatttagaa actgagttga 420
 gttagatttg caaagttatg acgaatttac ttttgaatag atttcataga ggatttcttg 480
 agtatagata tatttgtgga ggaaagaaat agtgtgaact tcttaag 527

<210> 35707
 <211> 545
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35707

aagtneccnc nnnnnnnnng nnnngnngnnn nnnnnagggg gagcttcatt cctctgtcat 60
 tctctctgac actgnagaca caagcccgcc accngcactn cctggagggc ccaagngggn 120
 cnagnngcna tttgttcccc ccccggnnac caaaanccac ccggggcctt gnttgctgat 180
 tntttttccg taatgttacg gaactttacg aattccgtaa tgataatttt ttccttccgt 240
 aatgttacgg aaccttacgg attacgtaat catccctttt ttggctttcg aaatgttatg 300
 agacctcacg gattgtgtaa caatgcttcc ttttgatttc cggcatgtta cngaacttca 360
 cngatcgtgc aacaatgctc tcttttgact tctggcacgt tatggaactt tatgtattgt 420
 gcacaatggg tgccaatacc tcgaagcgtc aagcaatgtt gctgccataa acaatggcca 480
 cggacgaaat anggtataca gttgccctct tactaccttt atcgagatag angaaacaac 540
 ataaa 545

<210> 35708
 <211> 383
 <212> DNA
 <213> Glycine max
 <400> 35708

agctttatta tttattcttt ctctctatta atatatcttg tgttggtaaa tccacacatt 60
 taattaagtt actaagttag tcaattaatt aagctcagct taacatctag cagtatatat 120
 aaacatgcac ggaaaggaag gatagtttaa atatatatat atattcttgt ggtatttcag 180
 taacctacat aaattatcga ctctgttggtg taattaataa actctacgtc accagtatgt 240
 agaatatata taaaagatat aaacaatgag caaacagcac cagtgggtcta gtggtagaat 300
 agtaccctgc cacggtacag acccggttc gattcccggc tgggtcatat tgtttctaac 360
 tttttatcta tgcagtctca tca 383

<210> 35709
 <211> 315
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35709

agttatatat ctggcagacc aatgactact atttgtgtag ctaatatgta ttaattcttt 60
 atcattgaag acannaattt attccactta taacatatan gttaagaaaa gcaatctcat 120
 tgtttttaaa tatatttcta atttctagta tctttcttaa ttgntacttt gatatgttat 180
 agtttataca ctattatntc tctcttttga taagggtaca tgggaggaaa taataattta 240
 tgccaaaaca cagataaata gaactaattt ttttctcaaa atgacatata cangaaatga 300
 ngcatacttt ttttt 315

<210> 35710
 <211> 380
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35710

tagcttangg atagatatat ataaaattgg aatagctgag gacaaagctt gcaacataac 60
 anagctcaga ggtagattcg gaaagataag tgtcttctac taacaaaaac aatgctccta 120
 agttgataac ctgcttggtgac ttgccgcagt atgcaatctc aatcccagct accttaaagg 180
 tagatgccta agcctcctta ttcttaacac aacacgcttc tttcatgaat aagctcccag 240
 cccctaaact actgtaataa aacaagaaaa ggtgacaggt ggtactgcta ccatgtaatc 300

attccgtaag tatgtttaaa ttgctgtcac aaatTTTTgt tccanacaac ttgcaattat 360
 attaaaaaaaa ttcattctatc 380

<210> 35711
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 35711

agctaattgta ttctgggtac ccaaacctcg ataaccacag tgtgagattc atctatatca 60
 ttcccttteta tctctgccat aataaagaca gcgaaggccc taccgccttg agtgattcaa 120
 gagcaccttg gttgcttcac cagactaaca caagacttgc ccgctgaact ctcttgagag 180
 agcgatctct ctctgtctag aatccacacc caccgagtct cagaccacaa ttgcagacca 240
 cccactata gccagaatga ctaaccggcc g 271

<210> 35712
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35712

tgccgccgcc acctgggact tttgtcattt tctttaccaa aaccagtcac tgaaaaagtt 60
 atgacttttg aaagaatctt cacaacaag tcacttgaag aattgtgact cttggaaatg 120
 tgtctttcga aatcagtcac tggaatcga ttaccattaa ggtgtaattg attacacatc 180
 aacagatgtg actcttcatt ttgaatattg aaaatcttaa cgtgttaaaa cactggtaat 240
 cgattactac attctggtaa tcgattacca gagaataaaa ctctntggta atgattctgt 300
 .gaanacttct tgtgtactc aatgttttga aaaacttttt aatacttatt ttgatagagt 360
 cttctgttga ttcttgaatc ttgagtcttg aatcttgatc ttggatattc ttgaatcttg 420
 aatcttg 427

<210> 35713
 <211> 209
 <212> DNA
 <213> Glycine max

<400> 35713

tatagaaact cagctcatgc tacaacatt tataatagat ctctcaaca gccaaaccct 60
 ttttcttcat aattattatg aaccttccaa ccattggatc cattccaggt tggaggaatc 120
 atccaaatct gagatggacg agtccctcac aacaacaaca gctgtcctt cctttctaga 180
 atgctgctgg tccaagcaag ccatatgtt 209

<210> 35714
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35714

agccttgaac tattgtttct tgtccctga aaaccattaa ggtggtaaaa attattgggt 60
 tgaccggaaa tgacatcgac aagtagtggc cacaaatgaa taaaagggtg acttcatact 120
 tttttcatcc aaacagaagt caaatTTTtac attgtgttgt ataacacctc ggacgaatcg 180
 caccgaaatc aaaggaatct agaggctcta cangtatgag actgtatagt tgaaaatgac 240
 ttaaaggaat taattgatac tacttatact aataagatgt atttactttt cggtagctca 300
 tcacataaga actccacagt taagccgtgt tgactttgag taattatgag atgagtgacc 360
 ttttTgaaa tttcttggaag agtgtgtgag tgatgaaaaa acatg 405

<210> 35715
 <211> 308
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35715

gcttaataaa gtccttagtg atccacatta tgcattgat atagcattga ctgagatgat 60
 gtgcaaagtt gaaaactcta ctatttagtt gttataattc anacactttt accgagacac 120
 ttgtangatt gagagaaaca ctagccttgt gaggattaga agttgggtgat tattcctagt 180
 gatctgtcat tcttgctaac catttcattt gaagtacatc tttgtctact cttttcatga 240
 acttatgaca atttgtaact tgagaattga ccaatgaagc tttttggaat gtatgtagnc 300
 atctcatg 308

<210> 35716
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35716

tgctatctta cgcaaagagg ggtgctaata tctctgattn tagaatgaac tgacccctca 60
 cctagaaaca gctganacac gtatgtgtgg aatatactac tatttatata aacatagagg 120
 ccatccaaca cattctaatt gtcatacata tatgcatttg aaaagaacat acattctcac 180
 gcgcaaagca ttgcgtcaaa actcacactt aatttatata ctaaacattt gctatntaca 240
 aactacctac gtatgtttga aatatatata atacaaattt ttattgcttc actcacattt 300
 attcatattg gcaagctatt tacattatgc acacacttgc attcaaaagg gaattccgtg 360
 ctatcataca ttca 374

<210> 35717
 <211> 586
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35717

agtcnacan nnnnnnnnnn nnnnnnnnggg gnggtacgga cnttgaccgg anatgncgtn 60
 aacnntatct agctaggcac cgcagggatc actatagaag teganctgca tggccatgca 120
 agctnnatta aattcgntat atatggtnnn gaaaacaaag ccttgaccgg gcaggggtgag 180
 tacacttaag ttctcatcgg cgatcaatct ctcttcattt tgagttattg aatgacaaac 240
 cgccatgaga tcacattgca tataactcaca agagttatgt gtggagtaat aatactgctt 300
 tctctgtttt aatatgtcag atgatatttt aacttgcagc caatgatctg tgtttgctac 360
 atgaagagaa acaatttctc tataagaatt ttgacatgaa tgatatgggt gatgcacctt 420
 atatcgtcgg cattaagatt catacacata gatctctacg tatcttttgt ctatcacang 480
 aaacctatat tatcacaatt ctagagagaa ttttgatgaa agattgctcc ctagtgtttg 540
 ctccattgtg aagggtgata ccgctcagtt cgaccaatag accaag 586

<210> 35718
 <211> 288

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35718
 ctcccactcc aagtangcct gtggatcatt ctttccttta aatggaggaa tgttgagtnt 60
 aataccatca attcgggtttt gtctaagaac accatcattc cctcttctcc tcctttcttc 120
 ttcattatga tctctattct ccatttgatc caacctctca tggagcgcat catctcgttg 180
 tttcattaac ctctccaaat gttgcatcaa agcttgcatt tggaattgcg aaagccccac 240
 tccatcatta agattagtac ctgacatctc atacaaacaa atcaaacg 288

<210> 35719
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35719
 agcttctata tttgctgaac cattntatca ataaacacaa gttgagtttt attcagaaaa 60
 ttagagttta tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120
 gaacaccttg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180
 agtgattctt tccttccttt catcatcacc cttgttcttt caaaccacaa ttccagaaaa 240
 tccacctctg cccagaatta tctcgt 266

<210> 35720
 <211> 483
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35720
 aaccgcgtag gtttagtgct cncncntnn actacgtgg tcgaggacta ctcggggaat 60
 gaagaacata tgatctttga cgacgtcgag aacggcagag cgttgcgaaa tcttcacgga 120
 aaacgttacg gaaacgtttc ggaagcgcct cggcttagat tgtcttcacg gaaacaatcc 180
 ttccaagcaa attcgataga gagagaagtg cctaaggggc taaaccntt tcttcttcac 240
 ttctctcccc tattatagca naatagggga gatggntgcc gccagctcg cccaggcgag 300

ccacgttgct tcctccagaa gcaatagcct tctggaggaa atcttctgan gggcccagtg 360
 ngcctgggtgc tatttgcacc ccattttact aatacacccc ctttgcttat tttgggaatc 420
 tttttcgaca gttacggaaa ctacgaattt gggacgatac ttgttttctt ccgtatgtac 480
 gga 483

<210> 35721
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 35721
 agctcgtttc tttcacaatt gacaaaagag tggtagtagc agcctggctc caccocatct 60
 gttaaagaac tcggctgctc aagtaaagaa tcatattcat tcaactatata ccccaaagga 120
 cacagctttc tttgatttca ctctagtgt aaaaaccttt ctatttttgc ttctttttct 180
 ttcactatat gtgcatggaa gacgcaaatt tgtgaagtgg ggtgtttgat attagaagat 240
 tgaagtgttg aagagtgggt agttaatggt tcaatggaca ccatagggag attagttgct 300
 gggactcata acaggaatga gtgtgttcct atcaatgctg atgaaactgc aagactgagt 360
 ggactctatc tgctgatgt ctcaattcat ctgaacagtt tgaacttaca 410

<210> 35722
 <211> 251
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35722
 ggggaagcat caaggggatg ctaactgggg tatggcggct ggtgatgata tgtattcatt 60
 gtacattcgt taggatcatt cacctagtta tggtttatac atttinaattt ggagcatttg 120
 acacagaaag gtctaccttt tgacagaaat ggttattaac atatgttacc tacagcagct 180
 taattcttta taggtttctg cttcagcatt atatcttgct tatggccttag gttttgtag 240
 gttcttattc t 251

<210> 35723
 <211> 222
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35723

agctctatatt ttatttttagt agtgacccac taacctagaa tgaaaataac ttantgccat 60
taacctacgg aattaaaaat aacttaatgg ctgagtgtga ctgacattat ggcaaccaa 120
tgtcacccgc agcagccaac aagtcagcca ccgtttgggc tccccaaaag ctgatgccta 180
ggttgccaat tggggccctta ttacaacttg aaacacacct ac 222

<210> 35724
<211> 288
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35724

ttgaacgaga tcagtatatt cattgcacac ataaagtcgt ttacgtgggtt ggngatatct 60
tntggggggc gctgatgcag tgaagttagt caatgcatgt aattnggagt ttttgataaa 120
cagtacctac aaaacaaaca ggtacagact ctcaactgctt gattntgttg ggggtgacacc 180
aactgggatg acattctttg ccggctttgc atatctggag ggtgaacgtc ttaataatgt 240
ggtttgggat ttataacgct tttgaggtat atttttaaga tgtgatgt 288

<210> 35725
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35725

agctntgtta tttttctatg cacccttagg ggnnccatct tgctttggat ggtttcatct 60
tcatctcgtc tacttttagt attccttttc tgtgttttaa gcgagtttcg accgatcggt 120
taagccgtaa tctcacttaa tcgatgttta aatgaatttc aaccaaccat ttgtgttgta 180
atctcgttta atcccccttc aaataaaatc cagccgattg ttcacgctat aacctcagtt 240
aaaaaccaa aaataataaa atatatgaaa ataataataa aatatatgaa aataataata 300
aaataattaa agatctaaaa ataagaataa ataataata atgtccgccg acatttactt 360
tg 362

<210> 35726
 <211> 301
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35726

 catcagacca cttccagggt gctggaacta cttcacttgg ttttatgggg cctatgcaag 60
 ttgaaagcct tggaggaaag aggtatgcct atgttggtgt ggatgatttc tccagattta 120
 cctgngtcaa ctntatcaga gagaaatcag acacctttga agtattcaaa gagttgagtc 180
 taagacttca aagagaaaaa gactgtgtta tcaagagaat cangagtgcac catggcagag 240
 agtttgaaac agcaagttta ctgaattctg cacatctgaa ggcatcactc atgagttctc 300
 t 301

<210> 35727
 <211> 372
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35727

 atcttttgggt tcatgcgngg aacgcctcta gtgcaacacc cgtgcagcct aaggcaccca 60
 cccagaagga agtccccaa gttccaactc cgaacacgac tgcaccggcc ggtaattaca 120
 acacgacaag gaacttcctt ccgaggccat tgccggaatt caccocgctc ccaatgacgt 180
 acgaatatct tctaccatcc ctcatcgccg atcatttggc cagggttaact cccggaaggg 240
 tctcgaacc ccctttcccg aagtggatg accctaagtc aacttgcaag taccatggag 300
 gtgtcccggg gcattccgtc aaaaaatgct tggccctcaa gtacaaagtc caacatctaa 360
 tggatgctgg at 372

<210> 35728
 <211> 309
 <212> DNA
 <213> Glycine max

 <400> 35728

 agcttcattc tttatgagac gaaccattcc aagtgttgga gaagatcaac gacaatgcct 60

acaagattga cttgcctagt gagtataatg taagtgccac tttcaatgtg tctgatctat 120
 ctctctttga tgcagatgga ggagccttgg atttgaggac aaatcctttt caacgaggga 180
 gtgatgatga cataaccaat ggcaaggacc atgaagcact tgaagggtccc atgaccagag 240
 gcagacttaa acaagcccaa cacatcatag agacaaagct ggtcatttgt atagctgtca 300
 ttgatgatg 309

<210> 35729
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35729

cttcgattca ttctatgtac ccgtagtggt ccacattgtg ttttgtgtca ttttattctc 60
 gnnttgggga ctttgtatac cccctgttga cgtgcttaag ccattntact taagtcattt 120
 ctcgcttaac ttagaaatac aataaatntc caccgaacgt ttgaattgta ttatccatta 180
 acttcgggta aaataaattc cgaccgttcg gtcgtgccgt aaccacgttg gaaatcaaan 240
 agaggtaaaa aataatataa taattcaaaa agacatcttt tagtagaata aagcgganaa 300
 tcaatcggac gttttctttt tgggatttct cattctt 337

<210> 35730
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35730

gtattannat ttcttttatt taataaacc ccatcccttc acanattntt tttacnncgt 60
 gttggttggt accctttgtg atgaattng cgaactcttt gtnntcgtgg gagccagnna 120
 atgacttgca gtagaagtag cgagaaaagt gagaattntt ttgtggagcc cgctgagcca 180
 aagtgatgac gttgggatta ttttgggaga gagttgtgtt ttgttaatca actccttcat 240
 aactagttcc ataattcttt tgttgaattg aggatgtaaa tcacaaattt attttccatt 300
 atgcgaatga tgtgtactga gttactatac ctatatatat atatatnadc atttacttat 360

<210> 35731

<211> 380
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35731

 cactatctca tnggtgaata cactgcatac atgttggttt gtatctatgg cnaaactgaa 60
 gacgcgcggc agtttaacta ctttcgcgtc acagcccccngaagcagcc ggacctcatc 120
 aatcaactgg atacactcgg agacattctc acggggacaca aattccaatt acacatgtac 180
 acaacactgc agatcaataa tcatataatt ggcattgcacc ctaaaatcta agactaaaag 240
 tgcgacataa atcatggctg agataataat atgctctatc agcaatgtgg aaagaccatt 300
 aatagtgcga acatcttttt gtttctttta atatgggtac aatgtaaaca tcgagtactc 360
 gatatttctt acacacaact 380

<210> 35732
 <211> 331
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35732

 tactaaagtc tcttatgcgt gtggatcaaa atgtatgcat gcatgtaaaa tgattattnt 60
 aggaaatcat ttaaataatc aaacatatat actatgcaga anatactagt gaagtagtat 120
 ctaacatgct gtgaagatct tacgaactaa tcaaaggtag aaaatgtagg ctttctcaaa 180
 ggttacgaca ttaatatag tgttacgagt cttgaaaggc actataagtg tatggatagt 240
 gggccataag ataattgttc agcatcacgt agtgcacaaa tgtcacgaat ccaccaccac 300
 ataacatggc ccattcaaaa ctcaacgtac t 331

<210> 35733
 <211> 339
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35733

 gcctacacat atgtatttgc caccttacct tagttagaaa taaaggcaat tatatttttg 60
 gcagcctcat acaaagcctt atcatacaag cggtcacctaa caaatgtaaa agttgaaaag 120

aaatgttctt cctctagaga ttgagtgaca ttgagttaaa ctcaactaaa ttataaacac 180
 acaccttaga catctntaat gaaggatctc agagatggat cttgcactca aaatctattc 240
 ttgccaagat gcagcactag agatgcaggt gggatctcca tgaagaacct cactgctttc 300
 aaaaacaaat aatgggtctaa tggctatcaa cctatcatg 339

<210> 35734
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35734

cactcagagt tgcgatgaag acgatggcac gggcaacacc agagttgcgg cagagacgaa 60
 gatatgcaac agacgtgagt gaattanggt gtggagctaa taatatttta naaaatcgag 120
 ttcattagca tcagttttct aaaaaaacg atgttaactt atcatttacc aacatcgggt 180
 ttgtcaaaaa ccgatgtaan ggagtgatgt aatattaata tcagtttttt aaaaaaatca 240
 tgtaactta 249

<210> 35735
 <211> 293
 <212> DNA
 <213> Glycine max
 <400> 35735

ggccttcctt caccttctgg tctccaatgc gaactttgac cattgttctt ccttcccgca 60
 atgcttcttt tatagcctaa accatacttc ccacgatttc cttgagtatt tatcaggcta 120
 gttatgccgc cggtgttttt tctaaaccc atcccgggtt caaaaccgtt ccccaacata 180
 actcgggcca tcattaccgc tgcacgggac acacaagggt gcccaaagag ggtgtccacg 240
 gaggaatgc tgaccacctc aaaagactgg aaagcagttt ctaacgattc ttc 293

<210> 35736
 <211> 332
 <212> DNA
 <213> Glycine max
 <400> 35736

ctaagctctc acagatgtct tcacaataat catcacacaa cagaaaacta ttatttctcc 60
 cctcatattc tccaaaaccc cggtcccgtc gaaattcaga agggaaggaa ttccacccaa 120
 acctgaaatt ttgaagtccc actcgtagcc acgcacttca cgactccaaa aatgctctcc 180
 tttcacgaat tggggcagaa atggtggcca aagggtgaag ctttgctttg agcttcaatg 240
 gagaatgaag aagagaaagc tacgtgagag agggagagaa aaggcttctg aatttctgct 300
 ttggctgagt gaggagagag aaaagctttt tg 332

<210> 35737
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35737

gttagtcttc tttcctgtaa ttaagaattt tatctagggg gaaatttaat taaatttgaa 60
 ggttaaaggg gcccgggtatt ggctataata attgggtgaa gtgatgcang gaaatgtcaa 120
 gcataactgc attgaaacca catgataaag ttcttttcaa aatgacagca aatttagtaa 180
 gtgttctaga tcatgggtcat tcaaaagaaa ttggattcat gagtcanat tcagcattca 240
 aacatactat ttgaatgat 259

<210> 35738
 <211> 518
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35738

nggccgctta aangactgag agtgcccana ncatacacac acanccccgn aggaatctct 60
 aganaacttc aattatggtg gacaatttct tattatcgtg ctggaaacaa atgtntaca 120
 cgtggagtaa tgacatgcat gcctctataa cccttaccac ccactctgac ataatgccga 180
 gactcacgaa cgccaacagg cttagccttc tcttaataata ttgaacacaa ttcaatggct 240
 tcttctgcaa tgtacctctt aacattggat gctattggac gatatagatc ctttgtatac 300
 ccttttaaga tcttcatgta tcgctcaacc cggtacatac accgtagata aacaggacca 360
 caacatttga tttctctgac catatgcaca atcaagtga tcatgacgtc caagaaagct 420

[illegible]

<400> 35739

| | |
|-------|-------------|
| <210> | 35740 |
| <211> | 393 |
| <212> | DNA |
| <213> | Glycine max |

| | | | | | | | | | | | | |
|--------|---------|------------|---------|----------|--------|----------|---------|----------|--------|---------|------|-----|
| ttaa | gtgtat | atgg | tatttc | ttgccc | acag | ctnttt | tgtt | tatttt | gatg | gatcat | agat | 60 |
| ctct | tgtgtc | ggct | cttaatt | tgctat | gtct | aattcg | gttc | taattatt | ac | tgacag | ctta | 120 |
| ttaa | caaaaa | tttctt | ctgt | tcacttt | gac | gatcagat | ca | gatcatt | cat | taatgg | tttt | 180 |
| ttaa | taaacac | gagcact | agc | taaaaga | aatt | aaaaagt | gac | gcgtaa | aacac | agtcatt | aga | 240 |
| tatt | gttaca | attaat | at | tataatt | cta | tgatgact | tg | atatata | aata | acaaat | atac | 300 |
| agggtt | gata | cacagcaaaa | atcaga | at | ttttta | agaa | taagttt | cag | attaca | aaatt | | 360 |
| atta | agagaa | gtgataa | aga | atcacact | tta | atc | | | | | | 393 |

<400> 35741

agcttgccctg tcttatgcat cagtaatgat ggcccagatt atgttgggga acggttacga 60
 acccggaatg ggtttatgca aagacaacgg cggcataact agcctgataa atgccaaagg 120
 aaatcgtggg aagtatgggt taggctataa gccactcat gcggatatga agagaagcat 180
 cgcgggaagg aagagcgggt gtcaaagctc gcgttgagga caagaaagtg 230

<210> 35742
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35742

nggtagcccg atcgtagcta ctgatcaana caaccagga actagacttg tagcttcattg 60
 cagaaacatc ttgttaatta acccaaatta gtttagagta gagaacatga aaatcggact 120
 tgctagtaga atcgggctgc ccatgattgg aatctgcctt aataacgtgg gaaatgatat 180
 caatggtgtg cgatatatgt gaaatgtacg ggcataaat tcctcgcaag atgaataata 240
 gtctcctaaa tgaatgttga tagcgtggaa tgctttttaa tgcaatatgt gcagatgtag 300
 tagctttcca tatgtataa atagattgag cgaacaatga catttgatgg cgacttcaat 360
 gttgtaggta gttggaaaca atgttaggta taaatagtgt aagttgacca cccttgacat 420
 gaagtgggtt ctttcagatg atn 443

<210> 35743
 <211> 220
 <212> DNA
 <213> Glycine max
 <400> 35743

agctctatgt gtgctgaacc actttatcaa taaacacgag tcgagtgtta ttcagaacac 60
 tagagcttat ctctcttacc ttagtgagag tgattctcct aaattcttga gtgattcacg 120
 aacaccctgg ctgtgtcaaa ggactctcac aacctttgtg tgttgccctc gctggagaga 180
 gagattcttt ccttctatc atctgcaccc ttgttcttcc 220

<210> 35744
 <211> 264
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35744

tcggttaaaa catccaaagg aggcttccat tgggaaatga caatgccaca cgaggattgc 60
gcaacttcac tccctaagaa gtatttgagt ggacccatgt cttttgtctg anactgacta 120
tggagacgag atctaagtca gagaataccc tcagaatcat tgtcaataat gacaatgtca 180
taaacataga caacaagcta catgcaacga ctagatggag aatggatgaa aaacaccgag 240
tgattagtct cacaatgggt catg 264

<210> 35745

<211> 412

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35745

ccaaccttgt tcttttagatt atcgacagat ataaagctga tgccpagtag aacctatcca 60
cgcttgcccta tttgtgatga aggtagaaag aaaggatcca aactatactt cagtgaagag 120
atgcccaaca aaagacaaaa ggtgtagatc actaactatt caaggtactg gaggacctta 180
ttcagcaaca acaagttggt gaaggagtgt gacaatcatg atgcttacac ttcattggaat 240
tagactgtat ggtttgatat aatgaatgtg tccacttcca actatgtaga ttggcccatt 300
gaggatgatc acaaggactc aatatagttg ttgcatccaa tgaaggata ccactctgat 360
gatgtctctg cttgctntat gaagaatcca aaagatggat tcatcaagca tc 412

<210> 35746

<211> 150

<212> DNA

<213> Glycine max

<400> 35746

tcaaccatta aaagaacaaa aaccacaaag caaggagcct tgtgtggtgg ctggccagct 60
atggatcttg agtggatatc ggaatttggc ctctggtaaa tcaataccaa tgggtgtgtaa 120
tcgattacag ggcttacaaa tggagacaga 150

<210> 35747

<211> 268
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35747

 ggctgcaact ttatatTTtg tctagagacc gctaccccag ccaagctatc ttggagaaag 60
 .catancaact tctatccctg gaatacgcac ccatcttgcg aaatacattn tgagatgatt 120
 cttatgacaa gtcacccctt tgtacctatc aaaatcaggt accttgaatt tcggtgggat 180
 gacaacatcc ggcactaaga aaatatcagt catgttcgcg aatggatagt cgccaaagcc 240
 ttcaacaacc cttaatctct tttcgatg 268

<210> 35748
 <211> 176
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35748

 taaagcatgt caaaagggga aacanattat aacctctntt tcaagcaaaa gctctgtctc 60
 cacctcaaga ccacttgaac tgttacatat taatctatTT ggtccaacta gaacaaactc 120
 tgtcagtggg aagagatatg gtctggtagt agtggatgac tcctcaagat ggacat 176

<210> 35749
 <211> 127
 <212> DNA
 <213> Glycine max

 <400> 35749

 agcttcttat catttaagt tctcatctca attcccaatc acagatatgt tatacataga 60
 ttgtgcgagt catttcccat caaatcaagg ataatgcgca tgatcatcat ggatcaatat 120
 gtctttt 127

<210> 35750
 <211> 260
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35750

cggccgttac aatcgggtgag tacctcgagg aagttgagga acgggaattg gtaagtcatt 60
 caatattgaa attttaattt taaattcata tataaaaatg aaaatttgaa ttntattgaa 120
 attaaattac tttatccaaa caagaaaatt aaaatacaag aatttgaatt gcctcatcca 180
 nacaaaatat ttacaaaatg aaaggaatta aatcagggca tcaaaatgtt tgtatttaaa 240
 tttctagaaa ttttaaactt 260

<210> 35751
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 35751
 agcttgctgt tgacatgtcg acaaggctta ttgaagtggc taacatgtaa gtagcctgat 60
 tattggctat agttcttgta gtttctataa tattcttaaa tcgagatttt cctatgctgt 120
 attttgaatg tatagctatg tctctttata tcaccaatgt ttttttaatc agctaaagaa 180
 aatatattac tgatggtaca aggagtacca tgtctcgtat acgattgtgt gtatgatgcc 240
 cttcaaccga aaacaatgca gcctccctaa tgcagagaat aaattacatc ccatttaaac 300
 cataacatat ctcagcaact gcaattgaaa cccgcagcct gcataacaac aaatcacagc 360
 tgtccaacta actaaactaa aactaat 387

<210> 35752
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35752

cgccacccag ctgcgccagg caaactaggt tgcttctctc atatatcacc gccttctgga 60
 gaacttccgg gaaggccan atgggcctan ttgctatttg caccctttt actaaatata 120
 ccccttgcc tttntttgct gattctttt ccgtaacatt acggaaactt atgaattacg 180
 ttatgatact ggttntcctt ccgtaatggt atggaacctt acggattaca taatcatccc 240
 ttttttgct tctagaatgt tacggaactt tatggatcgc gactaacac ttcctntaa 300
 tttctggtat gttacggaac ttcacagatt gtgctacaat gctttctttt gacttccgac 360

atgtct

366

<210> 35753
<211> 350
<212> DNA
<213> Glycine max

<400> 35753

agctgtgcg tttattacat aacttaacca agagtgatat cttccatttc agatcccat 60
caaaaggaga aagagaattg atatcatcag tgactaacag aaaatgaagc aaaacttgat 120
ggctcttttg attggattaa ttggtgcagc cgtcacctta ttgcttact cacaaacctt 180
cgtatcacca agtctgtgca tcacacttgg ccttattgtt ctcatgcatg ttgggcttgc 240
ttgtaagaga aggtctgata tctttctaata ttcttcttgg ttttcttttc cctttcagta 300
tttcttcat ctatgtatat gccttggtta tgtgcaataa taagtctttg 350

<210> 35754
<211> 173
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35754

cagcctaattg gatttttctt gattaatggg aatggccata ccctaatttc gtccggggac 60
ctttgcttga tgacatgcga cctttctttg gtccttgcca ggtgcttggc acccatcatt 120
atggcaattg tgaaattccg ggacatgccg aanaagaaaa aaaaatattg atg 173

<210> 35755
<211> 377
<212> DNA
<213> Glycine max

<400> 35755

acctctggaa gtttttctct tattgaacct cctaaagaaa gctacataaa gctgcctcgg 60
taaaaacgct tcccagcctt tgtaaacgct tggatcttct ccaaattggc ctgcaccttc 120
acacgacact tgtccatgat atgaccgttg ggatctttga cgcaatatct ggagtgtgct 180
cgatgcttcc gttcccaaga gcatttctta tttaagcaact tcagcctttg ctgtcgtgta 240
gattaggaaa aacgtcattt cttcttcttt ctttcttcca aagccatttc taaagttcca 300

agcactttct ccatacccca cagccaccat tagccaccac aaaccatcat tgttctccat 360
tgaaaaccca caccgag 377

<210> 35756
<211> 281
<212> DNA
<213> Glycine max
<400> 35756

tcaagtgttc gcgatatgtg aaaatgatgt tccgagtact tcggatttgg tccgaccatt 60
gccctctgat ttccagctgg gaaattggcg aatggaggaa cgccccggcg ttacgcaac 120
aagcataatg taaaccttta cggttttaaa agctctatag ttgggcctat gctttagagt 180
tttctttttt gtaaggcttt gtggcttttg tttttgaatt tataatacaa ggatctttct 240
tcattctgttc ctggtctcta cccattctca ttcatttgca t 281

<210> 35757
<211> 350
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35757

cgaatcggac atccgtgtga gaagttatga ccatttggat ttctttatat ctttcggtgg 60
ncaaatacca accctgggtga gttttattcc acccgattcg gacatctgtg tgaaaagtca 120
tgatcatttg aatntctcga gagtttccga tgtttaattt cgagcgtatc gatataattat 180
aaccctgaaa tcgacctcag tctgaaagtt atgaccattt gaatttgacg agagctttcg 240
ttgttcaatt tccaatatca ctgtatgtga tggcctcaa tggacattcg agttanatgt 300
tatgaccatt tgaatttctc aagagcttcc gttgttcaat tctgagcgtc 350

<210> 35758
<211> 202
<212> DNA
<213> Glycine max
<400> 35758

tgtgattagt agtatgactg aaaatggttag tcagtttgctc agattgattg tgaaggaatg 60

cattaactgt atccccggtga gagtgtgatc ctttaaattt tgagagaaac gactatcatt 120
tagtactgga ttttgcata ga atctctgaag tatggactga atgcatgaaa ttgaggatga 180
tgaaggccat gtttgattgt ga 202

<210> 35759
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35759

agctctctag tatctacgag cggtaagtcc ttctcactgt tctgttatgc aagtatgggg 60
atgtcacata tgtggaggaa cacatgagtc agacttatgc atggccaag atgacatatc 120
caatgaagtt aactacatgg gcagtcataa tcatcaagga ttccatcaaa gaggaccacc 180
angattctat cagagcgata attttttgca ggaccacgat tggagatatt atgcaagtaa 240
taacttcaac caaggagggt gaccctatca tcatcctagc caggggttcga gtcagcaaga 300
gaagcaatct ctcatatag aggaaatgct ctta 334

<210> 35760
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35760

agcctgagcc aaatcctgac tcaccataaa ccttgacccc aggtgatant gtcattcctt 60
accctcgaa gcggaaagaa tagatgggaa atttccaatc aaagaaaagg aaagaaggaa 120
gatttccaat caaagagaaa gcaaaaaaag aaaagaagga aaattcccca atcaaagagt 180
gggagaaagc aaaaagaana gaaagaaaat tccaatcaa agaattgggag aaaagtaaaa 240
aggaagaaga agaaagaaaag aaagctcctg atcagggatc gaaggaaaac agaagaaatg 300
tgcagaaagg tctttggacc ggacaatatc tgaacaatac agaattgtca ccaaatgaa 359

<210> 35761
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35761

agctngcttc ttttggtgca tagaatgcag gcaaaaaaaaa aatagtaagt gtcatgaatc 60
tctgacataa gcttcaacca attaacattg tttgtatgac aactggtgta gttggacagc 120
aatcacacag tttgtccacc atggtatgct ntatgttcct attggttata gtttttagtat 180
gctttatggt cctattgggt atagctttgg tgctggaatg ttcaatttgg agtccacaaa 240
aggaggaact ccatatggtg ttggagttct tgctggagat ggtacaagac aagcaagtga 300
aatggagctg gagcttgacag agtatcatgg caagtatata tgaaat 346

<210> 35762
<211> 566
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35762

aggggaagag ctaaaacctt gagtattaca ngcggaatt nnaagctcgg taccctgggg 60
atctctatag aaagtcgacc tgcatggcat gccaaagacta gctttangta ncatgattcc 120
attcaatgnc gaaatgttac gcagatgagt caatatatgt tcanatcctt catacacctt 180
catanatana gtcctctcat cagggttcgtt tgtccattta tacctctgac gacgcatgcc 240
ngtgcataac gagaggtagg gaccatgagg gcaanagcag aatctggtca tgaaaattct 300
agtcattttc aatgaataac caatgactta ccattatggt atcaatgttg taaaaatggg 360
gaatagtaat gacactacat acctacgant gatgaaaatg aatcanagc atnattgttg 420
tactatttat ggacagctca taaacgtaat atatatgcat gatcaataag gacagggaaa 480
tatgctctaa tgtcaaatat gctttgcgtc aataatgctc tgctatcaaa aatgttgtgt 540
atgtgcatta agctagatat atgctg 566

<210> 35763
<211> 124
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35763

gaaagaagcc taaccattt acaagggcgg cgaccacaga tggaaagggt ccctatctgc 60

cacattagct aaagctttgt tagcctgtga tggatgcatg acaatcangt tgttgtgcta 120
gatg 124

<210> 35764
<211> 269
<212> DNA
<213> Glycine max
<400> 35764

atccttcttt tggacctcgc atactataat gctgagttgc tatcaggaac agcttctgaa 60
acaatgggtt gtaatatatt taatgaagag cattgaatgt actcaatgtt cagtattgaa 120
tacattacgg aattaattgt ccgatagcaa tgactaatga atactataaa acccaatgtt 180
atgctaaata cgcttagata tttaaatttat aaagcaatgc attccataaa attaattcta 240
actaccaatc aacctgttac tatctcgac 269

<210> 35765
<211> 321
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35765

actcacgctc aatccatata ggcacgtcc tcatcatgtc tggttncata ttattatctg 60
gtttccattc tttaaggacc ataggcatac ctctaattga atagggaccc ttgaccaata 120
cagcttcctt atcttcgtgt gatgtgaatc tcatcaagaa ataaccatca tcgtgatagt 180
atagatcacg aagatgaatg aaattccatt gacgtccat gataaccttc accatattca 240
tgctaagatc atctcccatt acatacataa ttagggcatt ntcctagaaa cgtaattcag 300
attccacatc ttcattcttct a 321

<210> 35766
<211> 320
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35766

agcttgcatc attctctgct aatgcgcgat ccacacgcgc tgagcgaggg gngtggtgcg 60

ctaacgcgcc tacaaggcc caaagtcac ttcagcagct ataaacagag agccagtcca 120
 agggaaacaa gagaacacca ccacagaatc ccctttgggg gaaatcattt tctctctttc 180
 *tttcatttac tccctttctt tcaccccccc tcattgtaaa aagccctgaa tggccatagt 240
 ggctaaaccc tttattatgg cctgacagcc tataaaccaa tgcgatgtat gatgtactct 300
 tcacttatta tcaatgcaat 320

<210> 35767
 <211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35767

ctatatgcc aagtgcata agggatctca gtaaacta aagatgaatt cgtttcatag 60
 atattaattt gatagttatg tttcttaagt gagaaaatat tgagattctt agagcatctt 120
 tggttgaaga attcattttg gattcttgga ttattnttta tgggtcatat gatgctatat 180
 agaatgcaac aacttctatc attttttgct ccaatgataa aattcaattt gaattcttag 240
 actttacttg cacagaatna aaaagaggag tttttaggag ttcttctcct aaaatccaac 300
 ctttatcatg aaatactc 318

<210> 35768
 <211> 167
 <212> DNA
 <213> Glycine max

<400> 35768

ggttatttat gtatggttcc tcaagtcata gcggcgtatc atgctgtcca aggccctatg 60
 tgaacctcca aactacctat aacgaatagt atgccatcga tctgctctat caacgccata 120
 aagatctgct catccaggac tttgaataac acatattcag tttaata 167

<210> 35769
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35769

agcttgcttc ctttcccact ggaatnncct ctatcaaagc cactctgatt actttttcct 60
 cctctgggag cataattcta agggaagcca ttcttcctaa aacatctatc aactgtatga 120
 ttgtctttgc cacagtaagt acatgaaaat cctgaattcg atgaggttgt gcttgctgca 180
 ttgatcaagc tactgtttcc tatcatatca ttgctattaa tctatctttc ttgttgaatt 240
 gcataagaaa agactctagt tatgccaggt aaaggatcca tcatcaatac attggatctg 300
 acagtgttgt actgatcatt taatccccta aggaattgca taactcgatc ttgcttcttt 360
 ctttccataa cactaacaag agcatcacat gtacatttta gattgcatgt a 411

<210> 35770
 <211> 319
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35770

cccttaagaa gattcctaaa gaagctagag cttagctaca catatctctc taatagttaa 60
 gctcacctcc ttgagatgag aagctagagc ttaactacac acctcctata atagctaagc 120
 tcacccccat gacaaaatac atgagaatac aaaaacaaat ccctactaca aagactactc 180
 actcanaatg cctcgaaata caaggctaaa atcctatact actagaatgg ccaaaatata 240
 aggcccaaac gaagcanana ctgattctaa tattttacaaa gataagcgag ctcatactta 300
 gcccatggac tcgaaatct 319

<210> 35771
 <211> 343
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35771

agcttctcgc ttatgctgtg aacgcctcta gttcaacacc cgtgcagcct atagcaccca 60
 cccagagggg agctcccca gttccaactc cgaacacgac tcgaccggcc ggtaattcca 120
 acacgacaag gaacttcctt ccgaggccat tgccggaata caccctcctc ccaatgacgt 180
 acgaagatct tctaccatcc ctcatcgcca atcatttggc cgtggtaact cccggaaggg 240
 tcctcgaacc ccttttcccg aagtggatg accctaattgc aacttgcaag taccatgggg 300

gtgtcccgn gcattctgtc gaaaaatgct tggcccttaa ata 343

<210> 35772
 <211> 151
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35772

atcggggccat aattnctcca atcttctgca ttnttctgag ccaaattcgt cgcgatatga 60
 tggattatgt gggctctgta gagagtttgg atgcgaccga aatcttcctt ggttcattctc 120
 ttgctggttc tcaccactag aagtagatag t 151

<210> 35773
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35773

aaacatgctn tggtataatg tttttgtttt tagaaataat cacaaaatgt tgctctgttt 60
 taatggtggt ctatataaat cttcaaaaaca cgtttacaga gtagcatttt gtaattattt 120
 atganaagtt aaaaatagaa cacgttctct ctagccaaat aatcccttan gaccttttca 180
 attaatggtg ttagaaacat ttattttata catatatttt agaaacaagt ttttcgtgta 240
 ttttaaaggt tggagttgtg ctaatggcca taagatgttt cacatggtag agggggaaga 300
 acaagtctga ctttttagct tttttntttt tttgtgcgtt agttctcatt ggttgatgt 359

<210> 35774
 <211> 499
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35774

agggagcttt tataaccatta gtatacacna caccagcacg gnancggnga atactttaaa 60
 gtcaccctgc aggaagacaa gctggcggat tttctccttg cctgaagcag aagccgacgc 120
 acacccta at ctgctcaata atgcaatggt atccataaac ccaacataga ttactctacc 180

acttttaatt ntctacagta tatatactaa ttaacatttt taatttatta atctctatat 240
 ttactttctc ttctatcaga ctttaatcct aattttttct tctatatattt cttccatctc 300
 attacatatt acatctatca tctttnttcc tattatttct gacagagtca gatcttatgt 360
 tgtctgccga tggctgggtg ctatttacag atcttcact 399

<210> 35777
 <211> 265
 <212> DNA
 <213> Glycine max

<400> 35777

gttaaataaa gtaatgaagc atggtggagc tcttgggggtg gtgggggctta gctacataag 60
 ggcaacttca gatcaaacag tctttcttgt agagatccac tcttgagcaa ggacctctca 120
 agaactattc atagcctcta aagtgaatc ttgaaacaaa ctttatcaaa tgaactttta 180
 ctgctttgct actcttactg acttaaaaagc cacatagtgg tataatatga cctgaaacca 240
 accagagggg ggaatgttta aaaat 265

<210> 35778
 <211> 571
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35778

cgctcctcen nnnngggggn nnnnnngggg nggtacngga atttgagnag nanntctngc 60
 gcnaattcta gctcggcggc catgcgacac tatanaagcc ggcaggcttg catagcctgg 120
 aggggtgtgc tgctctacca tctgttncat aagcaaaagc accgggaatg tgtgctacca 180
 tcacgaatta tcgctctccc ttttccatta ttgggaggta ccaacttgat gccgccagaa 240
 tccccccac cttggtgagc gtgatacttt gaacagatcc agccccctt ttgtggcaaa 300
 tagatctgta gttgcattcc tatctcgga ccatatcatt aattgctact gatactggcc 360
 taacaaaggc aaccattatg tgcttccacg aatggactcg ggaagattcc aagttagtgt 420
 accacgtaac agctacccca gtaagacttt cttggaagga atgcaatagc aatttctcat 480
 cttttgcgta tatcccatct tctgaaatac atctttatat ggtgcttgag acaagtagct 540
 cccttgaact tgtcaaggta ccacactaga n 571

<210> 35779
 <211> 301
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35779

 atctctctta tcttagtgag agtgatgctc ctaaattctt gagtgattca agaacaccct 60
 gnetgtatca aaggactttc acaacctttg tgtgttgccc tcgctggaaa gagtgattct 120
 ttccttccta tcatctccac ccttgttctt tcaaaccaca attccagaan atccacctct 180
 gcccagaatt atctcgtgac cataactccc attttacaca ctcaaattaa gtgattcttg 240
 atcctaaatt gaatttcaaa acgagatctt tcacctcggt ttggaatcac ctcatttgga 300
 g 301

<210> 35780
 <211> 353
 <212> DNA
 <213> Glycine max

 <400> 35780

 agcttggttta tattactaga agactatgag atgtttccta atagtgcaat agatgatgat 60
 ggtaaatttg ttcacttagc actaatggga gaagcagaac ctgtcacttt ccagaagca 120
 attaaaaagg aagtatgggt agaagctatg agagaagagt tgaaagccat atagaggaac 180
 aagacatgga agttggctag tctaccaaatt ggaaaaaacag ctataaatgt cacatgggtt 240
 ttcaagaaca agctcacacc agataggagt attgctaaac acaaagccag actagtggcg 300
 aagggctgta tgcagaaaga aagctatgat tacaaagaag tctttgcact ggt 353

<210> 35781
 <211> 336
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35781

 ataagtatat tcactaggag aacatcgtag tggaaggaaa ttgtactgat gtgattcaaa 60
 agatccttcc acccaagcat aaagaccctg gaagtgtaac tattccttgt ttaattggag 120

aagtcaccgt gggaaaggct cttattaact taggagccaa aattaattta atgccactct 180
 ccatgtgcag aaaggtggga gagttggaga tcatgcccac tangatgact ntacaacttg 240
 ctaaccactc cattaccaga ccatatggag taattgaaga tgtgttggtc agagtgaac 300
 attttatctt cctggcagac tttgtggtaa tggata 336

<210> 35782
 <211> 498
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35782

agcgatggtt ancactcagt gcacaggcac nnnnantagg angcgggcat cctntagagt 60
 cacctgcggc atgcacgcan gtcagtgttg tttgtttaac cagcacgcac agcggtgagg 120
 gtgattctat taatatgacc cactctctc acaataacct aactattatc tatatcattt 180
 ctatggcatt atgaatgaca cgatgaactg acatacagtg tctataaaca tcaactggcac 240
 gtggaatttc tatttacaaa ataaactcaa gtcataacga taatgtacac cagatatata 300
 ctatgcaaca taatatttgt tagcaaagac atctctacac aagtaaaata ttgttattcg 360
 gctttcatac tataaaccat ccctactcca tatatgcttt actgatcgag tgctttaact 420
 ttcacttttg tatgacagac tattcgtcaa aaaaccgca atagaaactg acttgtctat 480
 ctagcatttc ggactccc 498

<210> 35783
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 35783

ggctttgaat gatgcatatt gtcgcttgat tgcaccggaa tattttacca tttttgtata 60
 gaaatattca acatacattt gtgaggataa agatatgcac tcttgtcgca ccagaaaact 120
 aatttgactt ttatttttcta acaggtatat actaattaac actgttaata tattaatctc 180
 tatatgtact ctctcttcta tcgcacttta atcttatatt tttcctctat attgttttcc 240
 atctcaatac atattacatc tatgcatttt tttgctatta ttcttgacag agcaaaaactt 300

atgttgtctg ccatggctgg ttccttttac agatct

336

<210> 35784
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35784

agctncattg ttgtttattg actccanatt gctgcaaaga aggacagaga tctgtatggt 60
gatctgcaga tcacatagac cacatactct tgcgacaggt gtagatttct gattcatggc 120
aagctgagtt tctaaggtga ccaagcaatc aagttttccc tcaagcttta ttattttcag 180
aagatgaaga tgaatctatg gccacctcat gaactcctct ataacaatag catcatctct 240
tgactgaat agatgggagt tctaagccat cttcttaatt aaatgactca cctcgacagg 300
agtcatatcg ccaagagctc caccactggc agcatcaaact actcttctac atgctgctaa 360
g 361

<210> 35785
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35785

ngggtcttgg ggttcangcn agtactnaca ctatnnnaaa cacaagcccc gcagcatagc 60
gcgcgagaat ngggagctct gggcatctgt gttttgttga tgcatacgca agngcaggag 120
aggatgatga anggatgnca ncngcngcgg ccctggcanc cctngntcgg gaggccagct 180
gtagtgaanaa gaactcanaa ttcacctttg actacattta ttcaagttgc tgatactgac 240
aatgagcgct tagagggata caactctctt agcgcacctt caaaaatata acactatggc 300
ttagcgcaac aggggtgtgct ttaacccaat ccaagcctca taggggcatg cgcttagcaa 360
atgatgtaat tattgacgct gctatgacca ttaagaaatt gggttagctg gcatgaatag 420
cacttagcgg attgaccca attaaaccac atccaatcgg cgttacgggtg atgcctcgct 480
ttagcagcga aaacaacccc cg 502

<210> 35786

<211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35786

tgtccaaggt cgcgaaaata catgtggcat cctacttggc acactaagac atgtgtccac 60
 cctccatgtc agctttggca cataagcaca tatgttcggc ccttagcaat cgggctccca 120
 accaacaggt tatctctaac ctcttaatgt aaccacttta tctcttggca tgtattcaat 180
 tatctacaaa gctacatatt atctggaagt aataattatc tactagtttt atctctaagc 240
 tatacattat ctataactnt atctatataa gctacagatt attgtctaca agcaatgatt 300
 atctgcaagg gctataat 318

<210> 35787
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35787

accacactat ctgttttttaa taattctagg agagaggatt ctaggcttgc ggaagtgtca 60
 ctgcctccgc aaaccagtac cctccctctt cagttcacac aaccctgtaa taaagatgag 120
 tattgtttct cttgcttacc tgcaaattac atcaaaacag cattaaagaa gaacaataat 180
 aacaacactg aanaacatgt gaagttcgct gaagttatca ttcattgtcat gccattattt 240
 gagcaattaa aacaaataag ctntaatcag ctagacaaga aaatatgtgc gtgtgtgtgt 300
 attattttaga ccaattccta ttatcctata gtattaacta ttaaattgaca acanaaaatt 360
 tggagccaca taaaatattt atattttaaa ataattgattg atcatntgtc ttgacttaat 420
 gcacatgaat atctg 435

<210> 35788
 <211> 270
 <212> DNA
 <213> Glycine max

<400> 35788

ctgagtttgt gctcgaaggt cgcgcatagc accaaacact cgaaaaatac atgatgaggc 60

tatgtcgttg tttcgcttca tacagttggg tcaacgatat gtgactgacg agacctgtga 120
 gtgaatgtgc ggagacatcc cttctgagat cagcgtgtaa tcctcccact aagcaataca 180
 atagagcctg ctgcgttatg acttggactc gactagctag agccaggaac tgcacgtata 240
 ctgactgaac tgaaccaatg tgacggagtc 270

<210> 35789
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35789

agcttttttag attgacacat atcttnaaac tattgggaaa agacacaatg ggcctatata 60
 tatgtttgct gacttcaaaa agcaacagag agattttcaaa agacaactta attgtcaaatt 120
 gctctctaaa aaactatagg tcaaacactt tcaaatcaat tgagtattct tgtaagatct 180
 tcaatttgta ttatcatctc taaaagagag aaattcttct gtacattcta aatactgtgt 240
 tgtgatcaag agattgttta tctctagact tgtgagaatc ctgaacacaa tggagacgaa 300
 tctcaaggtg tgttcagaag ttgcaaagag tgtacaaaga tagcggaaaa tctcaagtgc 360
 gttgcttgat gacaggacat agacacgaga agtgggtcgat caagataaaa 410

<210> 35790
 <211> 169
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35790

atccttatgg cctgcctccg gacttcaccc gccgtttcat ccttanatat ntaagccaag 60
 cccctactgg agaggggcaa ctcccacctt atgaagacta tcccaggcaa gacgatggag 120
 aaggagatac ccattctggc cccctgccga acatagtccg taatacccc 169

<210> 35791
 <211> 91
 <212> DNA
 <213> Glycine max

<400> 35791

tgaagccttc cagcctggtg atttattgat tgaaggccgg tttgggttgg ggttaagggt 60
tgagtttgtg tttgaggttc gtgttttgga a 91

<210> 35792
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35792

tatactaagc tttgttttgc tatgtaacac acttaatcaa ctacaaggct tttttttatt 60
ttcttaaaaa acaacctctc ctaccttgc tttttgtaat ggaataaacc aaattaaaat 120
ctgcaatggt aaagaaaaag tacctctcat actataatag aagaaaggag gtcacatcatgg 180
taattggtgg taaagtagtg gtgtttctac tcttatttct tacatangaa gccattccat 240
tcatgagacc atttgtgtat ttocagtaat aattttcaat tcagaaaaac aatcaactaa 300
acattctcaa gacttactca ccaaattaat atcattgttc cgccatanga agccatgcta 360
tttcatgaaa tatgaaaacc tttttacctt ggttggtt 399

<210> 35793
<211> 246
<212> DNA
<213> Glycine max

<400> 35793

tcaagcttct tagtttcaga tgatgcagat gggttttag ctacctcatg cactcctcta 60
atgactatgg catcatttct ggcgctaaac tgctgggagt tagaggccat cttctcaatt 120
aaatttctgg cttcagcagg agtcatgtct ccaagggctc caccactggc agcatctatc 180
atacttctct ccatattact gagtccttca taaaaatatt ggagaagaac tgttctgaaa 240
tctgat 246

<210> 35794
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35794

ttttaaccaa aaatnttaaa ccatgtggat ttaaatac tccctttaga caccaacaaa 60
 tatatagcca tttctcaaag ggcaagcaag caaccacatt atttcacaga agatgggtacc 120
 attgaaaaac tacaattctc aaatatggag acaagagtta aaacacagca tgtgtagcat 180
 gcacattgca aatatatgca aaacaaatga gttcaagtta ttgcagcaaa tcaacaatgt 240
 tatattctga atatgattcc aattaatgtt aacaagcaga ctagtaaaca cgaaacactc 300
 tgcttgcat agtatataac aaagttgt 328

<210> 35795
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35795

ccggtcctga aaggaccgag gataagggct acataggagt gcgtgagctc aatttaaagg 60
 tgggcaactg gggatggtgt gcttatgcct gacttggtga aatgggagaa gtgatttgct 120
 ccategcctg atcgccacca agtaccacat atgatgggtt ccccataatc caataagctt 180
 gatgtgagaa agcatggaag agtcaatctt cctactttct gttttttggc cacagagtgg 240
 tacctgaaga tatgtcacgg nggtcaagag accttgngga cgatcatgagg ggtgctattg 300
 cccaaaacca agcttggtta atcccgaccc aaccgggga tagtcagtca gtgagaacct 360
 gtgacgtacc taaaca 376

<210> 35796
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35796

aatactatatt agattcgaga aatagcctaa ttgattaaca ctatatagta gaaatgagac 60
 aggaatatatt attttcaccg ctataattaa agagtttcat gtngtgagtt aaccacccaa 120
 aatactatat atattgggta ccctgaaatg aatcaaaatg tagcaggact caccagacaa 180
 atggggcatt nttccttctc ttcttctgga gcaccttat taacaatcac ataagtttca 240
 c 241

<210> 35797
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35797

agctatagat gtatgttnat ttaatcattg ttatctttga atcatgttca actttaccat 60
 tggctctata tgaatgttat ttaccttata tgaataatct gaacttgtct tttttaaaaa 120
 tagttgaccc cagtgccaga acttgggttc taatcgaaaa atatttatcc agcaatacat 180
 gtntagctnt catcttacct attagaaatg aactggccta attcatccca gaaactcaag 240
 gagagcattg tctgagccta attcagctat tacacgtgag agacattctc tctaactgaa 300
 atttcttata tgnttatgtt gtttttagatt cttctttata atttgaacat tttttctctg 360
 aaattggtaa aattgcattc tcggtcaagt cagccacctt attttcgtta gttcctgact 420
 ca 422

<210> 35798
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 35798

atcaatcatt gaagacagtg atggagatth gtgtgacgtg cctgggttaa gagccccgat 60
 atatgccttc tatagaggat gttttgtgga acttgcagtt tgcattctca gtacaagatg 120
 catggagagg ggattctcac agtagtgaag ggtcaccagg ctcagaatct cgaggggtac 180
 ccttccatta gtgtcaaacc acaggttttc acttttttta ttttgtatat ttcactgtaa 240
 gcctaaaagg ttaatgcttg cagttgcaga tacagcagca tcagaatagt ataagttctt 300
 tatgttggaa cacctttgct aaaaaatctg ctgagcttcc atgaaaaact atgttggtccg 360
 agctttgcac ttatgcagat tttttt 386

<210> 35799
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 35799

ctttacctta gggaggtcct ttaatggtga ttttcacca tggagatgca gcgcaagtca 60
aaggagaaga agtaagaggt ggcgccatcc actanggaat aagccatgga agaaggagct 120
tcaccaccaa gatgagcctt ggataagaag cttggagagg atgcttcaat ggaggaaaag 180
aaagagggag agaaagagaa aggggggggag caccgacattg aaggaagaaa aaggagagaga 240
agttgaactt tgagttgtgt ctcacaagac tctcattcat caaagttaca acaagtgtta 300
cacatgcttc tatttataga c 321

<210> 35800

<211> 579

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35800

ntttntntag gtagggggct tgacttattc ggnngactaa tatctagcgt cggtacgccca 60
ggggatcact actagaagtc tgacnctgca tggccatgcc aagctgntng ctttcttate 120
atatacagca nnacanagaa atgggttttag tgcgagagtg actcagcttc gtggtagttt 180
cccggctcag tcacgcagtg gacctcaana atgtcgatgt atagaacaga actctatttg 240
agccagcgga aggatgaacg taatatcatc cgcgatgtca aacgggctat gtcgtgccgc 300
gattgaccga agtgcgcatg aagacgacgc ttagtcgttt gcgtagctat catgctgctt 360
cgtcttacia gacagcaggn atagaatgtt tgatgcggat aaccacgtca ggtattatga 420
gcccgtctgc gtgactcata ttggagtaag acggatcatg tgggcgcgga agacgccgct 480
agatctcgcg tgtcaactgg cttgtctgtc actagtgacc aaaggcgcaa attaagacat 540
taagctgctc gtgctataat gagtgtggca aacagacag 579

<210> 35801

<211> 276

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35801

gacaagcctg ttgacaccg gagagttacg tcattctccg cgctcacaag atctgtcata 60

ctgacatttg agtcacgttg acgggcggaa atacccgagt gggtatccgt ataaacattc 120
 ttttttgctg gttgtaagac gaaaagcctg atagcacgca cagactacca tcgtcttcta 180
 cgcccttcgt caatcgcggc cgagaagcct cgtgacacgc ggagaattac gtcattctnc 240
 gcgctcataa gatctgtcat actgacattt gagtca 276

<210> 35802
 <211> 468
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35802

agcacgcgtc gagctgatcg tagcatnacc ccnaannnaa nnagcagccg ngaagcaaan 60
 aggcgaccgc agcaaacaaa tntttatttt cccccccgc nagccgggagc aggcggaag 120
 cnnaaacacc cccccgcgc cgcgacggan gaaccgcgag aaaccaagga ccaaccgacc 180
 gcacgcagcg cagcgaagag aacggcgccc ccaccaggca cacacagggg gccgccggaa 240
 ggagaccgcc ccaggaggag agcaaccgcg gagacacaaa gaacagcgag accccaaccc 300
 gaggcccgag gagagncgcg anagacggcg ccgaccaagg gaaaanaaag ggcccggacc 360
 aagccccac ggggacgacc ccacgaagcg accaccacga ccacaagang gagccgcaa 420
 caaaaccac gaaaggaccc ggcgacggac aaaggagacc aaaagccg 468

<210> 35803
 <211> 68
 <212> DNA
 <213> Glycine max
 <400> 35803

gcgtctcgat atatgacggg agtcaatcat acatccgagc tctaagtgat tgtcgtttga 60
 attggctc 68

<210> 35804
 <211> 283
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35804

ttaagctttg atccaattca aatgacaata aattntttct cagatgtctg attgagtcca 60
 ataatataac gagacgctcg aaattgaatg ttgaagctct aagccaattc aaacgacaat 120
 aactntttac taggatgtct gattgctgcc cgtaacatat cgagacgctc gaaattgaat 180
 gttgaagctc tgagacaatt gaaacgacaa caacttttta cttcgatctc tgattgagtc 240
 ccgtaacata tcgagacgct cgaaattgaa tgtggaatct ctg 283

<210> 35805
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35805

tcgcaagctn tttagtgtta tttantgtga ctctttcact ctttaaattgt cgagatttca 60
 accgtttcaa agacacttgg tacatcgatt accagaaaaa ttgtaatcga ttacagccgt 120
 tttgaaaata tttggaacgt tgtaaattca gtttgaaaac attttcaaac tcattttgct 180
 actggtaatc gattacaaca atatggtaat cgattaccag agagtaaaaa ctttttggtt 240
 aaggttatgt caaaaactca tgtgctattc anagtcttga aaaaactttc taatacttat 300
 cttgattgag tcttttcttc attcttgatt cttgagctct gaatactgat cttgaatctt 360
 gagatcttga gtcttgattc ttgattctgg aatcttgatc ttgattcttg agatc 415

<210> 35806
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35806

acgctctctc tcacttcttc tcctttatct tctactgcat atccatgggtt gaanatcacc 60
 attgaaggac ctcatgaag ctcaaagatc cagccttcat agaagcttct caagcaagct 120
 tccatcatgt tatagagaaa aaccaacttt taaaaaatac aaaagataag cacctctttt 180
 tcattntctt aaaaatgaaa agagtctcat tagtatttct taagggtgtag agcattaagg 240
 tagtctaaaa cctaaatgat catnngttaa atatngact tttagtttct ttga 294

<210> 35807

<211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35807

agcttcttta tttactgtta atcgcgctga atcgngaaac ggcaattcca tgtatgattc 60
 actcacgttg gcgagggttat gattntgaga ggcaagtgc cagtgttgca gtcgagaatt 120
 acagtttctt tcattaggac caagtgcgaac tttgtggtat tcctgtggag agtgctcgct 180
 agagattcag attgtgcatg tttgagaaat ttgtctaatt tatttaggat aaattatatt 240
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<210> 35808
 <211> 502
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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 atatggtatg cttgttatgt gccacgttcc aaccattga tgaatagcaa cgagtagcag 180
 caccctttan ggagggtgac ttcgtttatc gctcaaccac gcagtagact ttaattgtac 240
 caatgaacgg cgtggtaaag agttaattgc tcttggcatc ttgtggcaca ttgagaaggg 300
 gccccctnn caaagtgtc ctccnagag caacatctcc tttaggaaaa ttcttagggg 360
 gacacaaccc ccttctgtta ttttccccca tttttcatta taaccccccc cccttcttgg 420
 agaatctttc tcccaaagag caccacccta aattttcccg atactgtttc tttcataatg 480
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<210> 35809
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35809

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 cagtgaagtt ttctgcgctt ccacgatgca aatatacggg ttgcggttta cggttccttt 180
 ctatttattt attatcggag ctttcataac gatcggncat accctcattt gggggttggg 240
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<210> 35810
 <211> 363
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35810

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 ttntttgcaa aattcgtgaa gcaatttgca tctgaatcca tgcttgattt cttgagttaa 180
 agatttgaat gagaaggcct tangcctatg ttgtattctg aagcaatggg gcatgccaca 240
 ttgtcccat tctcttgcaa tntgtgtcca aacatgcgcc caccaagtgc tcggtgaaat 300
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<210> 35811
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35811

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 ttaacaagcc atcctgattc ctaaacacat gatatgcac ttcatittca aagccacgga 180
 ctgaggtcca tcatctacac caagcttctc aaggctctca taaaaagcat cgggattttt 240
 cttccacaac tcttccacct tatttatattg ctgttcactt atttggcgag cccttaactg 300

2018 2017 2016 2015 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1992 1991 1990 1989 1988 1987 1986 1985 1984 1983 1982 1981 1980 1979 1978 1977 1976 1975 1974 1973 1972 1971 1970 1969 1968 1967 1966 1965 1964 1963 1962 1961 1960 1959 1958 1957 1956 1955 1954 1953 1952 1951 1950 1949 1948 1947 1946 1945 1944 1943 1942 1941 1940 1939 1938 1937 1936 1935 1934 1933 1932 1931 1930 1929 1928 1927 1926 1925 1924 1923 1922 1921 1920 1919 1918 1917 1916 1915 1914 1913 1912 1911 1910 1909 1908 1907 1906 1905 1904 1903 1902 1901 1900 1899 1898 1897 1896 1895 1894 1893 1892 1891 1890 1889 1888 1887 1886 1885 1884 1883 1882 1881 1880 1879 1878 1877 1876 1875 1874 1873 1872 1871 1870 1869 1868 1867 1866 1865 1864 1863 1862 1861 1860 1859 1858 1857 1856 1855 1854 1853 1852 1851 1850 1849 1848 1847 1846 1845 1844 1843 1842 1841 1840 1839 1838 1837 1836 1835 1834 1833 1832 1831 1830 1829 1828 1827 1826 1825 1824 1823 1822 1821 1820 1819 1818 1817 1816 1815 1814 1813 1812 1811 1810 1809 1808 1807 1806 1805 1804 1803 1802 1801 1800 1799 1798 1797 1796 1795 1794 1793 1792 1791 1790 1789 1788 1787 1786 1785 1784 1783 1782 1781 1780 1779 1778 1777 1776 1775 1774 1773 1772 1771 1770 1769 1768 1767 1766 1765 1764 1763 1762 1761 1760 1759 1758 1757 1756 1755 1754 1753 1752 1751 1750 1749 1748 1747 1746 1745 1744 1743 1742 1741 1740 1739 1738 1737 1736 1735 1734 1733 1732 1731 1730 1729 1728 1727 1726 1725 1724 1723 1722 1721 1720 1719 1718 1717 1716 1715 1714 1713 1712 1711 1710 1709 1708 1707 1706 1705 1704 1703 1702 1701 1700 1699 1698 1697 1696 1695 1694 1693 1692 1691 1690 1689 1688 1687 1686 1685 1684 1683 1682 1681 1680 1679 1678 1677 1676 1675 1674 1673 1672 1671 1670 1669 1668 1667 1666 1665 1664 1663 1662 1661 1660 1659 1658 1657 1656 1655 1654 1653 1652 1651 1650 1649 1648 1647 1646 1645 1644 1643 1642 1641 1640 1639 1638 1637 1636 1635 1634 1633 1632 1631 1630 1629 1628 1627 1626 1625 1624 1623 1622 1621 1620 1619 1618 1617 1616 1615 1614 1613 1612 1611 1610 1609 1608 1607 1606 1605 1604 1603 1602 1601 1600 1599 1598 1597 1596 1595 1594 1593 1592 1591 1590 1589 1588 1587 1586 1585 1584 1583 1582 1581 1580 1579 1578 1577 1576 1575 1574 1573 1572 1571 1570 1569 1568 1567 1566 1565 1564 1563 1562 1561 1560 1559 1558 1557 1556 1555 1554 1553 1552 1551 1550 1549 1548 1547 1546 1545 1544 1543 1542 1541 1540 1539 1538 1537 1536 1535 1534 1533 1532 1531 1530 1529 1528 1527 1526 1525 1524 1523 1522 1521 1520 1519 1518 1517 1516 1515 1514 1513 1512 1511 1510 1509 1508 1507 1506 1505 1504 1503 1502 1501 1500 1499 1498 1497 1496 1495 1494 1493 1492 1491 1490 1489 1488 1487 1486 1485 1484 1483 1482 1481 1480 1479 1478 1477 1476 1475 1474 1473 1472 1471 1470 1469 1468 1467 1466 1465 1464 1463 1462 1461 1460 1459 1458 1457 1456 1455 1454 1453 1452 1451 1450 1449 1448 1447 1446 1445 1444 1443 1442 1441 1440 1439 1438 1437 1436 1435 1434 1433 1432 1431 1430 1429 1428 1427 1426 1425 1424 1423 1422 1421 1420 1419 1418 1417 1416 1415 1414 1413 1412 1411 1410 1409 1408 1407 1406 1405 1404 1403 1402 1401 1400 1399 1398 1397 1396 1395 1394 1393 1392 1391 1390 1389 1388 1387 1386 1385 1384 1383 1382 1381 1380 1379 1378 1377 1376 1375 1374 1373 1372 1371 1370 1369 1368 1367 1366 1365 1364 1363 1362 1361 1360 1359 1358 1357 1356 1355 1354 1353 1352 1351 1350 1349 1348 1347 1346 1345 1344 1343 1342 1341 1340 1339 1338 1337 1336 1335 1334 1333 1332 1331 1330 1329 1328 1327 1326 1325 1324 1323 1322 1321 1320 1319 1318 1317 1316 1315 1314 1313 1312 1311 1310 1309 1308 1307 1306 1305 1304 1303 1302 1301 1300 1299 1298 1297 1296 1295 1294 1293 1292 1291 1290 1289 1288 1287 1286 1285 1284 1283 1282 1281 1280 1279 1278 1277 1276 1275 1274 1273 1272 1271 1270 1269 1268 1267 1266 1265 1264 1263 1262 1261 1260 1259 1258 1257 1256 1255 1254 1253 1252 1251 1250 1249 1248 1247 1246 1245 1244 1243 1242 1241 1240 1239 1238 1237 1236 1235 1234 1233 1232 1231 1230 1229 1228 1227 1226 1225 1224 1223 1222 1221 1220 1219 1218 1217 1216 1215 1214 1213 1212 1211 1210 1209 1208 1207 1206 1205 1204 1203 1202 1201

<223> unsure at all n locations
<400> 35814

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ccttaaacca ccatgaattc aacgctttac cttctcttcc aatagggcta ctcattaatt 180
tctccatgta tctactcaca tggtaatgag tataatgtta taacatgcac tctttatata 240
tttcaccgag taaacttgct atacatgctc gatgggaatn tccactgggc aagataaata 300
ctcttgctct tgaccatgaa cttgtggaga atatatacct tgaatgttgc aaatacatct 360
gatgctgaga acaataactaa atacttacca actataaaga aaagaaacct caaaatgaga 420
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<210> 35815
<211> 156
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35815

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catattgtac ctanactttt atttcttttt tatttt 156

<210> 35816
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35816

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gggtatttat caggctagtt atgccgccgt tggtttttcc taaacccatc ccgggttcat 180
aaccgttccc caacataact cgggccatca ttatcgctgc atcgacaga caaagctgcc 240
caaagaggga gtccacggag gaaatgctga ccacctcana agactggana gcagtttcta 300

acgattcttc tgcggcttcc acataaggca tgg

333

<210> 35817
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35817

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caagtgtgaa tgattatttt cctaaatgga tgtatgatag catggaattc ccttttgaat 180
gcaagtatgt gcaggatgta attagctttc caatatgcag aaacaataaa atntgtatga 240
tatatatccc acatgtgtgt agttagtttg aatagcaagt atttaggata taatttagtg 300
tgagtt 306

<210> 35818
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35818

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ttctctcaa tttgatcttt gactctataa tgaagcttct tcacatagtc cgcctttgct 180
tgaccttctt tatgcttaan aacagaaaca ttatgcatat gcaaaagatc aagaggagtt 240
agtggattaa aaccataaac aacttcaagg tttaagaaag aagaatcatc ggatgacgcc 300
gatcgaacat ttctaatag acatcatcca aatattatc 340

<210> 35819
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35819

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tctgagccaa ttcaaacgac aataactttt tactcggatg tctgattgag ttccgtcata 120
 tatcgagacg ctcgaaattg aatggtgaac ctctgagcca attcanacga cnataactnt 180
 ttactcggat gtctgagtga gtcccataat atategagac gctcgaaatt gaatgttgaa 240
 cctttgagcc aattcaaacg acaataactt tttactcgga tgcctattc agtgacgtaa 300
 tatatcgga 310

<210> 35820
 <211> 229
 <212> DNA
 <213> Glycine max

<400> 35820

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 agagataaac attcagatag caaagacttt tgataaagag aaccctaatt ttagaagaaa 120
 ctggtttttaa agtttccgta ccgggtcgaa actctaagct caagtgaacc cagttctaga 180
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<210> 35821
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35821

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 attcttgagg ttacttgcac acaaaggagg taaatagcac aaaaagggtg aagagctcan 180
 ggattgttca aattacatat gcttttttggc aaagaataag atcctatggt tgctcaatgg 240
 tgtcaaaaaa aattgttccc tgcgtatata atcatataag atgacaacat tctcttatat 300
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<210> 35822
 <211> 238
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 35822

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acaaatcaaa aatcaaaatc cttcaacata ttttgaaacc tttatatattt ttgtgtgttg 120
gtgagtttat ttccattnca agaattgttt ctaactcttt tgcgtgtctt tttcaaattct 180
ctanacattn tgaagatatt tgacacattt caagagctct anaacatata aaattggt 238

<210> 35823
<211> 321
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35823

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cgttcaacta atttccctct cattgaattg gtctacttta aaataaagtg atatttagaa 120
taaaaaggga attagtattt tcatatagca tgcacgcaaa tactagctac tgcagttntc 180
tgatatctca tctacgtggt aaatttccac ttgtctgttg aaataactctt cccctgtgag 240
tctgtcactt gtggagaatt ataataactt cgagggttggg aaataacatg ctcatgttct 300
ggaagaataa gaacaagaag t 321

<210> 35824
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35824

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tgcgcgcata agcccaccat actctgtagg ccacctccat ctgagctcac ggactccac 120
gtgaaccata ttctcgtatc tctcaacagc gggaccccat ctatgctctt aagcttgcac 180
aacatccaat cagaacaaca ttcagacggc tcaaggtatc acagccatac aaaacatggc 240
agatgcagaa aactctgtca taacaccgac caaatcacia gctttctcac ttanagaccc 300
cagtaactat tctttcgatt caattcgata accgttggat cgactccaaa attctactgg 360
aggcttatga gacattatac cacattgtga ccgtngggat cag 403

<210> 35825
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35825

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 gagggagaaa cccatgttgt gactgccatt cctgtacggc caaatttccc accaacccaa 120
 caatatcttt actcagccaa taacaaactt tctccttacc caccaccag ttatccacaa 180
 aggccatccc taaatctacc acaaagtctg tctaccgcac tttcaatgac gaacaccacc 240
 tttagcacia accaaaaaca ccaaccaaga aagtgaattt tgcagcgaga aagcttgata 300
 attcacccca attccagtgt cctatgctga cttgctccca tatctacttg ataattcaat 360

<210> 35826
 <211> 292
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35826

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 tcgtctcgcg cgatttatat ttgaaactnt cggtgccacc agtgtacttt aatttactct 120
 taatttaatc gcaatacact aaatgaaacc aaagttttct actctctctgg tatttaaccg 180
 gatcttactg gatcacactg aatcctgtca gattacatat acgaacaaaa ctatctaagt 240
 ctctttttca ttactatct gctgctgata tgtttaccat agaactatat tt 292

<210> 35827
 <211> 343
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35827

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taagggaag tataaaacgg agatggtaga ccaagtctga atcattcggt gagaatggct 180
 cctgccgaca agacacacag tatagctgtg cttcangtcc ttcggtcagc taaaccaat 240
 ctacgcanag ctattataaa tagttctgac aaaacgatca tctacgctat ttgtgaaatt 300
 tgtgacaatt tgctcagtgg aaacattcca cttactgcta gtc 343

<210> 35828
 <211> 362
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35828

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 aatacagttt atccaaaatt taataagatg tttacaatta ttttcatcan accattgtct 180
 catatattct atttttataa tatagtgagt ataattttat ttgcaaaaana attaaattca 240
 agtattttta agaattttaa aataaatata tatatatata tatatatata ttantttta 300
 tacatatatg tatagatatn aaatatttta ataaagtgc taaattataa tatacatata 360
 tt 362

<210> 35829
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35829

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 tgcagnttca tcttgataac ttatgggtgc acttgacgtg tctattgtgg tagtggtaaa 120
 tgagctatgg catctgttgg aagagtcttg aaagccttag atggtgtgtg ctcatagtta 180
 tacttctttc atgttgacgc ttggacaatg atggtttctt tctgaagaga ctcaatggat 240
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<210> 35830

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<210> 35833
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35833

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 tcaaagtgga gatttgtggt gtgtgactca naatcacaaa tggcacaagt ggaagactt 360
 taagaagtgc tatcataact aaattcagtt atgataactg aatctgtttt ggcaccanaa 420
 catagctaga atgagtgtgt gtgatata tatatatata tat 463

<210> 35834
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35834

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 ccaacttcat ataaattntt tcataaaaatt agtaaatact caacaaaata tcatgggtgga 240
 ttattcgtac ttccattatg atgggtcgct tatcctctac gaccaccaa atgggtagtg 300
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<210> 35835
 <211> 497
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35835

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cggggggtcat gagaccttgg tgacgtcagg tgggggtgcta ttgccccaaa ccaagcttga 180
ccaatccccga cccaacccg gcatagtcag tcagtgagaa cctgtgatgt acctaaacag 240
gcgagctctt ggcagtcaac cgattaaaga acatagacca caaagcaagg atgcttatgt 300
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accaaggggtg ggtaatcgat tacaaggctt ataaacagat cangaagcta agaggcttat 420
ggtaatccat tacaaggggc gttatcnatt acaggcttat aaatagaact gaatgttgat 480
tgggctcttg taataan 497

<210> 35836
<211> 236
<212> DNA
<213> Glycine max

<400> 35836

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ttatgcatgt ggatattctg gatttcaaca tggcccaaca tataatcagt aacaggggaca 180
atggagaact caccctagta atcagtcaca agccacaaca acaagggcgt agtctc 236

<210> 35837
<211> 274
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35837

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gggaaatntc tctcaagata actggagatg agacttgaaa tggaggagga atctgtttga 180
tcatgaaagt gatctagcta tcaatttcat ggaagaaatc agctctatac atattcagag 240
gcatgttaag gacatcatga cttggaaaagc tgat 274

<210> 35838
 <211> 352
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35838

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 acatcttcca ttcttctggt gatgcatcta anaattctac aaaataaaac aaaacattgt 180
 taaagtacca acttttagcat tcttaagata aaaactcaaa gaaaatctaa attcctatct 240
 ttntaagtca caagaagtat ctaaagagaa gaaattagat aatttctatg taattttaagt 300
 gcacaaacta agtatgaata acaattatca atgaggaatg aagatagaaa ta 352

<210> 35839
 <211> 370
 <212> DNA
 <213> Glycine max

 <400> 35839

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 atttgaataa cactatatta tactgatttg cggatcttga gatggacgat gctgaaatga 180
 gatgagaagc ctgttgattg gaagcactta ccaaactgac atggctgata atgtcctgtc 240
 ccattgaatg aagatatgat gatgacctgc ctatacagta ttctgtcctg actagtgtaa 300
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<210> 35840
 <211> 342
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35840

 agctntgatn ttcatattga atttcatcca anattntgac aagtcattgt tacttccatc 60
 aatattgata ttgtatcatg cttaattata tgcatttgct tattctgac attgtctatt 120

[illegible]

| | | |
|-----------------------------------|--------------------------------------|-----|
| actaattgga ggaatgatca agatgtat | ttt gctgaacaat ttaagtcgtc tcttttttta | 60 |
| ttatgtaatn tgaaagaatg aaacatgtnt | aagttgctca attagaactt gaaggaccac | 120 |
| caacatagta tatcagtatc tttttttttt | gctagacaga atcatatgct acttattggt | 180 |
| gggacaacat atatttagat ggtactgcat | tttgggagaa attaaatatg catgtcctta | 240 |
| attcctcatg ccaataccta attttatgat | tntaattgaa tgggtgattt gtttaataat | 300 |
| ttttaaatat gatatgatcc atattnga | aat ttgcttatta tttttttttg ctagaactgc | 360 |
| ctttaccoat tttttaatag tataagaattt | | 390 |

| | | | | | | |
|------------|------------|-------------|------------|------------|------------|-----|
| acaaggatgt | tgttgtgga | cactttgtcc | ggagagtgat | gtttgatatt | aatgaaatcc | 60 |
| cacacctata | ttcccctgtc | ttatctagtt | gtcataaaca | aactattcta | tatcctacta | 120 |
| atcttagaga | tgcacatatg | taggaagagc | ataataacc | ctacgtacgt | agcaatatca | 180 |
| catggatgaa | gcaattaact | atatctacta | aacaaaagct | ttctataaga | attatcctca | 240 |
| cacaccatac | gtgcattttc | aattttccaa | ctttaaaatc | acctctataa | accctacttt | 300 |
| acagaactca | tcgtatttca | cttctatgtg | catatcaaca | gaactcaact | tctcagtcgt | 360 |
| gtttgtattg | tgacggatac | cattttgacac | tcatcatttn | | | 400 |

<210> 35843
 <211> 220
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35843

tagaatctcc ttttaagtga aggcatttga cttgatccca tgtgtntact aaagtgaaca 60
 anaatcgatg caaattaaaa ctctgacatc tatcatgggt ggaatggatg aatgcatgaa 120
 gaaatgtata taacacagat gcgatttatg aatacgggag cctgagaaat tgtctncttc 180
 ttagatacaa cgtcttgggg taacacagtg ctcgacttat 220

<210> 35844
 <211> 336
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35844

agctngtggt tatattttat ttgcngattg aattctagat acatttggtc atgtattntg 60
 gtcattctta gcctatcttt tgaantttga gtctaattca tgcattgtat ttacttcata 120
 acatgttcta aatcaatttc gagaagtagt cttgttggtg aactcttttt tttgctgtct 180
 aagattctta tatgatggct atgatgaaca tgaattgtgg tgcggagttg tgaatcacat 240
 aacgcctaag ctctcttgaa ttgtcgact cagcataata gagcatgctc aaacactaat 300
 tgtaactatt caagatgaac actactttcg atttct 336

<210> 35845
 <211> 185
 <212> DNA
 <213> Glycine max

<400> 35845

acaaaccaca aacccttgcg ataggtacag atttctgatt caaggccagc tgggttacca 60
 agttgaccaa cgcattccagt ttgccttcaa gcttcttagt ttcagatgat gcagaatggg 120
 ttgtagctac ctcatgcact cctctaataa ctatggcatc atttctggcg ctaaactgct 180
 gggag 185

<210> 35846
 <211> 332
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35846

agcttctact tatgtgttan ggcgggcttc cttcaccttc ttgtctcaac cgcgagctnt 60
 gactaccgtt cttccttccc gcgatgcttc tctntatata tgcttgagtg ggcttatagt 120
 ctaaccata cttcccacga tttcctttgg catttatcag gccagttatg ccgccgttat 180
 ctttgccata acccattccg ggttcgtaac cgttcccaa cataactcgg gtcataatta 240
 ctgctgcata ggataggcaa gcttgcccag agaaagagtc cacggaggaa atgcttacca 300
 cctcaaaaga ctggaaagca gnttctaata ac 332

<210> 35847
 <211> 257
 <212> DNA
 <213> Glycine max

<400> 35847

agcttcaatt ttcttgtcaa ggcgtctgat atattacggg actgaatctg acattcgaat 60
 aaaaagctat tgcgtttga attggctcaa agcttcaaca ttcaatttcg agggctctga 120
 tatattacgg gactcaatcc gacatgcgag caaaaagata ttgcagttga ataggctcac 180
 acgttcaaca attcaagtgt gagcgtctcg acatgttacg ggactcaatc agacatcccg 240
 gtaaaaagct attgtca 257

<210> 35848
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35848

actatannaa actcacgctc tgagacaatt canacgacaa caactntnta ctcggatatt 60
 tgattgattc ccgttatata acgagacgct cgagagtga tgtttaagct ntgatccaat 120
 tcanatgaca ataaattttt tctcagatgt ctgattgagt ccaataatat aacgagacgc 180

tcgaaattga atgttgaagc tctaagccaa ttcaaacgac aataactttt tactaggatg 240
tctgattgcg tcccgtaca tatcgagacg ctcgaaattg aatgggtgaag ctctgagaca 300
attgaaacga caacaacttt ttactcggat ctctgattga agtccgtaac atatcaagat 360
gctcgaaatn gaatgtggaa tctctgagcc aattcacacg acaaatacgt ttactcggga 420
tgtctgattg agtcgcgtac atatcgagac gctcgaaatt gaaggtagag ctct 474

<210> 35849
<211> 321
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35849

agcttcttgt ataantatct tggtagtctt tatgcctgga ccaagaagct agaaacctgc 60
atgggcggtg aaagatatga gcaacactca tacaacaca ttaaagataa aatataagac 120
tacttatttt attaaaacaa acatctttta acaaataact ctaagcaa ataggaccaata 180
cgtgataagc gagacggctg tgagatatat acaactcta ttcgagtcac atagtgttga 240
aactccaaag tagaagatac atgtgtctgt tgatgtgttg gcaactatga ctactagtat 300
tgacgatgag tttgtgatgt a 321

<210> 35850
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35850

ctggtatgag ttcatctctg tgctgtagtg ctgttattta tttgccctta gngaggacat 60
cccctgagat aatttattta atctattgaa ttccgctttc tttcctcttt gacccaaata 120
aaacacacat tcaactcaat cattcattgc aactagccaa ctacactgac aaatgactta 180
tgtgtctata cacttcgaaa ttaaaaaana agaacttcat tgtactgact atatagataa 240
attatatctc aattgtgcct attatctttg agtctaaata tgatataccc gcagcacaac 300
agttttacac tgccatttaa taatatgttg gcagctggca catcattaaa gaagttagac 360
ttcctgcata agtgggttga tgggtcaaact cttttagtaa tct 403

<210> 35851
 <211> 244
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35851

gcatnngcnn caagcactag ccccntnna caccagnaag aaagaaattt ttttagggna 60
 gggaaggggt aggaaaaana aaggaaaaaa aaaagaagga agagggtaat agaatactga 120
 aagaataagt gaaaataaat ttaaaaaaaaa aagggaagga ataggaagaa agataaaaat 180
 aaaaaaagag tataaaaaaaaa aaatgaaagt gtttgggaata tgtgaagaaa attaaaattg 240
 aaag 244

<210> 35852
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35852

agggcgcccc ttttncctga nagncnnaac ncnnnntnt agnacagccn gcctggatgc 60
 agtagagcgg cacgcatgcc agccncgact tatnggtttt gtgcgggcca acagcaccng 120
 caagggaggg ccgcntaagc ttgactaccg accttccttt ccacgatggt tatctatata 180
 tctgactgag tgggctcctt ggctaacca tacttccac gattttacttt ggcgtttatc 240
 aagccagtta tgccgcccgtt atttttgcct aaaccattc cgggttcgta accgatcccc 300
 aacataactc gggatgatcat tactgctgca cggataagca gcttgcgccc aaaagagtca 360
 ccgaggaatg cgtacccttc caagaccgga agcagcttta atgactgctt gcggggccac 420
 atatgcatag agatggctgc cacccaacgc atgcttcttg ttacatgaca atccccctc 479

<210> 35853
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35853

<213> Glycine max

<223> unsure at all n locations

<400> 35856

attcacgcaa tctgcatcac attctcggan aggtctacat ttacacctt aactactaat 60
catgagagag gananntgat accttcgaat gtccccgcaa catanagtaa angcaccgcg 120
cgtangtgaa atgcacacag ctcaacatgc acacatcaag aatttccttg ttgtagnac 180
tcatcagagc gggaagcagg agcgggtatc tatacactta atcactctac tgctacttcg 240
tctcgtcatn tngacaacnt ggcattacga tagaatatcg attctacgtc taatacataa 300
atccacagct cgagtgcagc ctactctgaa tatcgcgat cagcaaccta tatacccgag 360
aatgaaatcg tcgcntgata cagtgtattc agccgaatcn aatacgatga gatcgcatca 420
gtctcagatg catttaaate tgaactcgta cncgattctt atcanacact gtgtacatgt 480
caatcactcg taactcacat gcttactagc gataatacgc tactctatct aaatctccat 540
cggcttaggt ccactactc tgactgcgat aagatggaat ctgtcatata catccatctg 600
cactcttaca actgatatgt accccccgtc tattgccaca ngctatatag tcacgtaaac 660
atgctgacag acattagctt ctacgtgtaa ccacactat cgaacatcta aatactgcac 720
gtcgctcgcg ttagcaattg acatcatgcg cgtgtctacc acacntgcat aacaacgaaa 780
tcgcg 785

<210> 35857

<211> 349

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35857

tgcaagctat tcaattcatt ctatgtactc gtggtggtcc acattttgtg tgatgtatgt 60
ttattctcgt ttgcatttac tttttatacc cccttttgac gtgcttaagc catttattta 120
agtcatttct cgcttaatat aaaaataaga taaatttcca ccgatcggtt gaattgtatc 180
atccgttaat tgtgggttaa atgaattccg accgtttggt cgtgccgtaa ccacgttgga 240
aatcaaaaaa agaggtaaaa taataatata ataataaag aatacctttt agtaaaataa 300
aagcgaaaaga tcaatcggac gttntctctt tgggatgtct cattcttaa 349

<210> 35858
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35858

agcttgtang attatgggtgt acccatcaca tgtggtacta ggtggcggtc gggcgatggt 60
 gcacaacaag tnttccacat ccacanattg tgcataaacc caccatcccc tattgcccac 120
 ctccaactga gctcacgtac tcccacgtag cccatatacct cgtttctctc aacaccgggt 180
 ccccatcaat cctctcaagc ttccccaaca tccaagtaaa acaacattca aacaacacaa 240
 actatcacag ccaagaaaac agagcatagg cagataactc tgccataaca ccaaccaata 300
 tcacagcttt tctcacttat agaccccggt aacaattcct ttgttccaat tcgttaaccg 360
 tttagatcgac tccaaaattt actggaagct ctagtacata agcctcattn tgaccgttgg 420
 atctatagca acatcagaac tcattctgac tgtc 454

<210> 35859
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35859

agcttcanac ctcattatca canaatctag gtgtccaaaa cccctcaatt taatggattn 60
 tctaggctnt agaagtgaaa ttgagaatga gacnaatttg aagcaaactc tcacctcaca 120
 caagtctata acatcaattt agacttggtc aaactggatt tacgcttaan atttcaccga 180
 atcaaaattt gactcttcga caccctcaatt tgccctagaa atggctctnt gttcactttg 240
 atcatttggt tttctcccta gctcagccta accttctctc catgttctaa atggcatttc 300
 aagctaggat taactcactc taacctccaa ataccacata atccagattt agccttccaa 360
 ctctcanagc ctcacttctt ttcactcata acaccacatt ctcaccttct aaccttaggt 420
 taactctacc tttcatctct aaca 444

<210> 35860
 <211> 536
 <212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 35860

cgcacccgta cacacaatga acgacgctga aangcacaca cacatactac aanncttaaa 60
 aanaaaaaag gaggggnnct cgangctatn agtacagcnn aannnnacnn agnaccngnc 120
 gagccngcag agncgaccag caggcaggca agcannnann aagtcttcta tattacaacc 180
 cgcacgagtt caagagagga ggagtaaaga acatgaggac taaaaacaac ggaaacgatg 240
 tggcatcctt tactaaaaga aagattaggt ccgcactgtg acaataaggc tcgaactcag 300
 acaaagaaac agtggttgcc tccgtaagtc aagatcaacg ccgccaagtc taggacatct 360
 aaaagtagcc aaaaagaaac tcggaagata atgtggggac acgaaccgga aaataatagc 420
 acaacaagtt gagctaaaaa aattgccgca cgggcgctag ccgagtcaaa caatccacca 480
 aagagcaggg accacaaaca catgaaaacc agaacgaggc accaaaacaa caacct 536

<210> 35861
 <211> 379
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35861

agcttctcct ttaattntct ataaataggg ggagaagtga agtgaanaag ggttcanccc 60
 cttatgcact tctctctctt tcgaatttgc ttggaaaaat tgtttccgta aagaaaatcc 120
 aagccgaggg gcttccgaaa tgttttcgta acatttccgt gaggaatttc gcgaagggtt 180
 cgaccgttct tcgacgttct tcattcggtc ttcacgttcc ttcgatcttc aaaagggtta 240
 gtacctcgaa ccaagctntt cgattcattc tatgtatccg tgggtgtcca cattgtgttt 300
 cgtgtatctt tattctcttt tcatttactt tctatacccc cttttgacgt gcttaagcca 360
 ctttatttaa gtcatttct 379

<210> 35862
 <211> 144
 <212> DNA
 <213> Glycine max
 <400> 35862

tagaccgggt ccttaagaca ctgcagctgc agcttttttt gatttaatga cagccacagg 60
 ggggaagctt ataaccataa cctttactta acaatctaag atctttttaa cagattgact 120
 acaaatgaat ctcatataa cctc 144

<210> 35863
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35863

acgacaataa ctgtctactc ggatgtgtaa ttgagtcccg taatatatcg agacgctcga 60
 nattgaatgt tgaacctatg agccaatnca aacgacaata actttttact cggatgtctg 120
 attgagtccc ataatatatc gagacgctcg aaattgaatg ttgaacctct gatccaattc 180
 caacgacaat cactttttac tccgatgtcc gattcagtgg tgtaatatat cgggacgctc 240
 gacattgaat gttgaacttc tgagccaatt caaacgacaa taacttttta ctctgatgta 300
 tgatcgaatc ccgaaatata tcgagacgct cgaaattgaa tgttgaacct ctgatccatt 360
 tcaacgacaa taacttttac tcgatgtccg attatagacg aattatc 407

<210> 35864
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35864

gcgtattgag ctacgctcac ggcaannagt agccccggat ccttaagcac ctgcagctgc 60
 aaccattttt tcttaatcac cacgacaaca cggggctaca tgctgatgct caccgaagtt 120
 ctactggcaa acctcctcta atactttatt tctagacacc aactactagc ctacattgga 180
 ttacgaaccc aacataagac cttcattgca agcgggtatt gcatattaca catactccat 240
 ggggtttata ctacaaaagt tgaatgcggt aaggagcatt ctataacaaa agttctctta 300
 tatggataaa atacgggaca catattccaa aacgaagcca actactgcag gggctgctca 360
 tgtagacgcc ttggtcacca gaacaaatgt cataacccta tcaaacggaa tcttcattgct 420
 ctttaaacga aagattttcg 440

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

gtaaagcaaa gaaccgaaat ttgcagcatc tttcatagaa ttaattacca ataggaacag 120
tgaatTTTgg aaatgcagtg tacaacaaac tctatatgtt tttgtaaaat agtagtaggc 180
tatatntatt tttgtaaatt acacttccaa.tntgaataga catctacaat agtaaaatac 240
taattaaagc ttaatatataat ctttttcaat catccacttg atgctccaga agttagagtc 300
acatttgtaa gcccaataag cccatccaaa tttggcacga gagtatacat ccacttggac 360
ttgcgtaaan ttttgttggt ctttcttga tgcattatga actttccaat cactactcca 420
ttccgctgcg agattcacca acaacatg 448

<210> 35868
<211> 370
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35868

agcttgtggt gttcttacga atgatgacat ggtcaattga actctcagaa tatgatattg 60
cctacaagct gagaggtact atccgagccc aagtactagc caacttcatt aatgaattcc 120
atccccacc accatatttc aagtaggaat ggtggacgat gcatgtgtaa aactcttcca 180
ataggcacgg gagtgggtgtt ggggttattc tcgaaggacc atggtacaat cttacattn 240
tggattcaaa gccacatgca attaggccga atacgaagaa ctctttgcag gttaaggct 300
ttccaaacag gttgatgctc aaaggggccg gtgtcgaagc gactccaaga tcgccgttga 360
gtatatcaac 370

<210> 35869
<211> 319
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35869

agcttgacat tgtagatac atcttcttca cttttgcatt cttgctccat tcattgaagc 60
catatccact tgcaattcca agtgtcaaac ctctcaccaa caaaggtttg aagaccatca 120
aacttttcca aaatctttga atgaagagat gaatcttctc cctcatgtcc ttcttcccc 180
acatttctag cacccttctt tatccaagag ccatcatgct ccttaataata accaaaggat 240

gctatgactg aagcgcatat aaggaatgat ctcttgattg gaacatangg ttcataatca 300
 tgacgtatgt tgaagtgtt 319

<210> 35870
 <211> 319
 <212> DNA
 <213> Glycine max

<400> 35870

tgcaagctaa cattttttta ctttgcgcat ccacacctcg acagcgtgga gtaccgctca 60
 gagtgacgcg tgggtgcccac accccctcaa ttaattcgcg ccattccgct ccttccgaca 120
 cctcaacacg ggctccacat tagtggaatt cccaaattgc ccttttccaa ttcttacatt 180
 gtctacgagt cataattgta ttgagcatca cactcacttt tatcacaatc tgcattgcacc 240
 atgcaaaacc cagaccctat atatctatgc cctaaccatc tcaacacaga accttaataa 300
 tctataccat aatcttcat 319

<210> 35871
 <211> 492
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35871

gagctctagc cctgaaacac anaaaaagaa cgcgggggaa gagacgcgca gcgcagcagt 60
 tttataacaa accacaccca ggcgagaaaa aaggaccccc ccacagacgg aagacacaaa 120
 gagccgaggg gaaccagac aggagaaccc aaaacacaga cccaacccg acaccgccac 180
 acaaaccac gaagccgaga gggccgacca gcgcgagagg cgccggcacg aaccagcaaa 240
 aagggcgagg accacnaaac acgcaaggcg gagggacacg cgacaagccc gcgacgaggc 300
 ncacgaaacc aaaggcggca aagcgcgcgg aaccggacca acgggcgaac ggcacacgaa 360
 cagaaacgcg gcaacaaccg cacgaaacac acccaacggg accccggagg agagcgccaa 420
 cccaacgagc gagaccacag cagaaggcca cagcgcgcac cccgacggca ccacaagacc 480
 aagaacngna cg 492

<210> 35872
 <211> 292

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35872

 agtaagcgaa gtgataatga aagcatatac aacacgaatg gaccactgag ggtgcataaa 60
 atgaactgaa agattcgatt ttgagaactt atagggtgaa gaccgaagaa caacgaagaa 120
 ctttcacaga atcactcacg aaaacgtctc ggaagcgtaa cggaagcacc tcggcttgaa 180
 ttattctcct ttttcttctt ctctcacta attttaagtg attcctgagt ntctagggtg 240
 ctatgcccct tcctcagcc tccaatgcc tttaaataac aaaatatggg ga 292

<210> 35873
 <211> 384
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35873

 agcgtgtttg atgntattta ccatcaaccn gnatacaggg cgtggtggct atgtatagta 60
 tgacggaatg gaactatgat cttacatcgt attaataggc acgtgttggt tgaacataaa 120
 agcacgataa gaacacttct ctttgaatgg ttggccttca caaagtacaa cacaacaatg 180
 ctttacatat aagacgaatg tgttgctaca aaaagatcca atatcataac gaacatgcat 240
 gtgacactac ctcatactga tgaggatctt gacactaact caccgtatga atacagtatt 300
 atacacaagc tacaccttta agacgatatc atgttatcca ctggcaatca cacatactta 360
 ggggccatca naagatacat gtta 384

<210> 35874
 <211> 87
 <212> DNA
 <213> Glycine max

 <400> 35874

 tggcgtaaaa aatttctctc cgccctgaca ctcatcgag aactatgtaa ttatctaaca 60
 tctctgagac atggaaccat acagacg 87

<210> 35875
 <211> 412

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35875

 agcttctgtt gtgnacatnt tgacttgctn tccaatctga cagtcaccac agattctgcc 60
 ttcttctatt ttcagattgc ggatgccttt aacagcacct ttgtcaatga ttttcttcat 120
 gcctcttaag tgcagatgtc caaatctttg atgccatatt ctgacttcat cttctttgga 180
 ggatagacat gtggaggagt agctggtttc ttgggggtgtc cataagtaac aattgtcctt 240
 tgatctgctg cccttcatta gaacttcact cttctcattt gtcaccaagc attctgactt 300
 tgtgaagttt acattgaacc cttcatcaca cagctgactg atgctgatcc aagttgcagt 360
 cagtccttc accagcagta ctttgttcag actangaagt ccatcatgaa ct 412

<210> 35876
 <211> 441
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35876

 agcangtttc tgccatcaga accatctcat tctcaactga ggcgtgttgg agcagatata 60
 ccagccaagt gagtgccttg ctacatcaga aagnttgaat gtgatcttct gatcatctat 120
 gcccatctac agattacctc ttcccatatc cgccacacaa ttggcggttc gcatgatagg 180
 acatacccaa attagaggga tctcagcatc ctcattaatg tcgcatgatc acaaagtccg 240
 cagggaaagt gaactgtcac accttgacca aacatctacc accacgccat aaagcctagt 300
 aatggaacga tctgccagct gcaatgtcat tcttgttga taattttcag ctctccaagt 360
 cttgtggaca tggagagcga catctaatta atgctagctt ccanatcaat gagagctggt 420
 ccaactgaca ccgcaccaat a 441

<210> 35877
 <211> 383
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35877

agctttattc ttttacaaaa atgaagctaa actntaaaca agaatgaagc ttcgatacca 60
 cttgttagac aagtggcctc agatatctta agaagggggg ttgaattaag atattacaaa 120
 ctattttccc aattaaaatt ctactttgat tntaatgcaa gttcaaagtt cccttaaaga 180
 ttaatttcta aatgatgatt caaaataacc aaactgaatg taaaagtaaa gcaacaataa 240
 ataaaagagt ttaaggggaag agagagtgca aactcagttt tatactgggtt cggccacacc 300
 cttgtgecta cgtccagtcc ccaagcaacc cacttgagag ttccactaac ttgcanaaac 360
 cctttacaag ttctgaacca cac 383

<210> 35878
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 35878
 agcttctaatt ctttgtacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
 gatatcttaa gaaggggggg ttgaattaag atattccaaa cttttctcct aattaaaaat 120
 ctatcttact ttctacttaa gttatgaatt cccttaatga caatcttctt aaatattaat 180
 tcacatgaag caacttgaat tatgaatata aagcaataat aaataaagga gattaaggga 240
 agagaaaatg caaactcact ttatatactgg ttctgccaca cccttggtgcc tacgtccagt 300
 cccaagcaa ccgcttgag agttccacta acttgtaaata tccttttaca agttctaaac 360
 acacaacgac gaacccttct ttgtgttttag agattctgta caacaagaga ctcacagtct 420
 cttaatccct tatagaatg 439

<210> 35879
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35879

atcttaatct attaaagacca tattatcccg ctaaaatggc ccattaagtg tgattggaaa 60
 catacgcaac tgcaaatttc atgtgtttta gttacaaca acttagttat ctttagtctt 120
 gtctaagcaa tatgacagat acatgagtgt ctaaagaaga tccaagccca taaaaccttg 180
 aagttttaga gaataataaa gaatgagaga gtttatatgg cntntagaca tatgtgataa 240

ggaacagagg aagcttgtgg ttgttcctta agcttctata atgattgaag attgaanaat 300
tagcaactgt cataacttcg tacccttctg tccagaggct cttacctatg cgaatgtatg 360
ggggagggat gatgta 376

<210> 35880
<211> 406
<212> DNA
<213> Glycine max

<400> 35880
agcttcatct gatgtatcat atgctgaaga acaaagttga cattaccttt caggcgaaca 60
gaatataat caccccaaca aaaaaatgag agaaaaaac caatataact tttttttgct 120
gaaatcagac tcgaatgcat ctatgctagt ccaccgtagt gactaccac attatatgaa 180
tcatattcct atccagtaag aacatatcag cttcttcatt ggttcaatcc ggaatctttc 240
gacgaggacc cgcagtttcg tatccacaag gcagtgtatt tctaaaatgc acttattaac 300
atatttcagt tttgttcaga atgtgtagag acttgacac ctatcacttt ggtgtcatgc 360
tttcttttac ttcgactgca acgcgatcta gaatattttg tctttg 406

<210> 35881
<211> 303
<212> DNA
<213> Glycine max

<400> 35881
tggcaccacc cagctcacga gttttatgag cagaagcgaa tccgttggat taaggggggc 60
agatatctcg attttccatc tgataactcc atcaagttga gcttttcaga aaattcagaa 120
ctatgagcag caaccagttg gatgcccttt tcaaaacttg tctttggggg ctctataaaa 180
tgtagactat caattgtttg aggctttgaa tgtctcggac ttaacacata tggagaacac 240
ttgcgtgtgg ccacttgaca tggaattgag ctgcggttct gatgcgatca tccttgcttt 300
ttt 303

<210> 35882
<211> 265
<212> DNA
<213> Glycine max

<400> 35882
 gaaaagttct ttcagaaata tgattctgga ataaccaca ccttgacat accatatata 60
 aaacatatatt ggtagttct aatatataat taatgctttt gctacactca aagaagtcta 120
 atccctacct actctaaaag aattcatgag aatcatagct tttcgacaat cttatatgta 180
 ttcattacct atcaaacacg aaaatcatga catttcgctg taacattctt gagagcatgt 240
 aaagatattc agctatgaaa catct 265

<210> 35883
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35883

ctgaaattnc tctatagata aggagcagat atggtcagac cagaccaacc tccttcacaa 60
 tacagtgttt ctgatatttn tgactcagaa atttccattc atctcattgg aaaagtccaa 120
 cccacatttc actgtatatt agattcaact tcttgatata atgtgctaac gaagcacaag 180
 atttagactc atgatattga gttcgggata ctcaaaaatt taatctacaa tgggcatctt 240
 gttgaataaa aagcacgcta aaattaacat gaacaaaatc atgccaataa taactataga 300
 acattagaca aactgacaa acttagtcgc attagccact aattgaataa ca 352

<210> 35884
 <211> 254
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35884

aacaaaaaga aggagaaaaa aatnnannag gggcagcgac canaanncgg gnnananggg 60
 agaggatttg ggggaagaag ggagaatgga aaagaagaca ggggggaacg aggagggata 120
 aaaagaaaag ggggaagagag agagaaagaa gagaggggaag gaaggaaaaa agatagaatg 180
 ggagagagaa aaagagaaga gaaaaagaga aaatagaaag gggagaggag aagaaggaga 240
 ggataggaag gaac 254

<210> 35885
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35885

agctctatatt tttcaatgaa gcttctcaag gaggtgagct gagttttcat atgggtgtgt 60
 gtanctaaac tctagcttct caaggaagtt ttctcacaga agcttctcta ggaagttttt 120
 tcaagaaagc ttcttaagga agctacctac tctataaata gaagtatgtg taacacttgt 180
 tgtaactttg atgaatgaga gtcttgtgag acacaactca tagttcaact tctctccctt 240
 tttcttccct caatttcgtg ctccccctc tctctatctc tgctctatc tttttctcca 300
 ttgaagcatc ctctccaagc ttcttatcca aggctcatct tgggtggtgaa gctccctctt 360
 ccattgctta tctcctagtgt gatgacgcct cctctgacct cttctacttt gtcgtccgat 420
 gcatctccat ggtggaaaat caccattg 448

<210> 35886
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35886

agctntatatt gttattttct cctgccacca ttcaaaaatt gtaaagtgtat ccttttccac 60
 ggagcacaat agaagatga ttttgctgaa ttaaagtgtg tgacaaacat ttacaaatga 120
 aattaagact ttattgtaaa atatataatt aaatcaattt cgttggttttg tttttttcat 180
 cttcactaat atgctggaat tgtgattata tattacatct tcgggttgta aanaagtaaa 240
 gaatagaatt actattacat tatataaggc gactaaatat aacatgtaca atagaaatac 300
 aatttttggt gtacaatgta caacagaatt atatttttat tgtgcatcgt ttattagcaa 360
 agaaatatat aaatctttca ctaaataaaa ttgagattat ctgttataca atagaatctt 420
 ga 442

<210> 35887
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35887

agcnnngactt acactatatac tggcaagttc aacatgcgtg ggcgcaaattt cttcacaaat 60
 aactatcctg aagcagaaac ctagctaaac taccatcat atctccctaa acccaatacc 120
 cacaaaaatc aagtgagaaa gaagtctacc caaacctgaa atttcaaagt ctcacacata 180
 gagatgtgct tcacaactcc gaanatgcct tcctttcgcg atttggagca gaaatggtga 240
 ctaaagggtg gagctntaat ggaggcttca atggagagga agaagaagag aatggaaacg 300
 tgagagagag agagagaaaa aggcttctga acatttgggg ctgagtgagg agagagaata 360
 caactntcat ctactattat acaaacaaag ccctgacatt ggctgtagga ccacagtgtc 420
 atgctgtggt gcttcaattc ccgccccaaa atatcac 457

<210> 35888
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35888

agctannntt actgtagcga cntatcttc ttccagagac ggcacacagt gcttctggaa 60
 tcctcacgtt taatcctcaa tagaatagta tactctatag ttttaactca cacagtgcac 120
 gcaaaaatgc tactgtttca tagttccagt tagtcacggg ttacgaagga aaacgaaatt 180
 cataggagag aaaatgaaaa aagcaataat caaaagcttg gtggtttaat agccttacct 240
 caaaagtcaa aacctttcaa gcgttattct tcctttcatt aactctctcg cttggcacia 300
 ctttgtggtt tttccctcag atcttatgtt atttctttat tctaacagc acgcatccat 360
 cgttgaggtt gattccagcg atggtgcaga tcttatggtt 400

<210> 35889
 <211> 349
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35889

agcttgtcta tatatgtcca tgaaagacaa ggcggccgaa ggaactagtt ccgccccgga 60

gtacgacagt caccgcttta tgagcgttgt acaccagcag cgcttcgaag ccatcaaggg 120
 atggtcgctt ctccgggagc gacgcgtcca gctcatggac gacgagtata ctgatcttca 180
 ggaggaaata aggcaccggc ggtgggcacc actgggttact cctatggcca agtttgatcc 240
 aaaaatagta cttgaattnt atgccaatgc ttggccaaca gacgagggcg tgcgtgacat 300
 gagatcctgc gttagaggtc agaggatccc gttcgatgcc gacgctatc 349

<210> 35890
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35890

agtcttatta tattatttca ttcctataga atttgtattc accaaaactc ttattangtg 60
 agttactcgg aaggaaaaag aaactatatt cttgctctat cgagcttttg ctttcattat 120
 tctatttata atatacttca ttgatttttg gtttctagtt cattctattt gcaatccatc 180
 actgcttgag attgatccag tatgtggctg gtaccgcga tgccttttta ctctttctac 240
 cacttgtttt gtaatttttg tttaacgaac atgcttttta tagaaactga ttatnttntg 300
 tgtattntgt tgtttcagct gtgtatccta acaagagaca caagaaaaac tacatttctt 360
 tgtgttctta tacaagaaa ttaatttcca tgaaatcaat gacatacaaa atagaataac 420
 aaaggaagca ccagtgatga agcaat 446

<210> 35891
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 35891

agtctttttc tctatgcgca tatatggatt cgtccagtac ttgataacag cttatgcac 60
 caaagcgcta cacaattgac ctggccgaaa atcttttata aaaatattca tcagcgtcca 120
 acacatcttt ttgtccaact cgctaacaaa acttgtggaa atattttata ctttcattta 180
 agatttcttc atccaaaaat gaacacttga tatagttctt ttctctatgt tgttcgaatg 240
 ctaagggtta tttgtgctta cattcttcat tgtatgaacc ttagtctgat attccttttt 300
 gtttttttca aatatgctct aatgttttaa tttcaaacat gaaaataaaa aaattgtaaa 360

tataagcaca acctctgatc aaacataaag ctacacaacg a

401

<210> 35892
<211> 304
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35892

agcttcttca tttattctgc tctccgaac cacaacctct tgtgcctctt ccttttcttc 60
ctcttgatc agatccatgt accttcgacg ctttgtcatg accggagccg gtggagtcag 120
aggggaagca gctcttttgg atctgcgaag atcggagcgg gccggtgggc ttgggcttcn 180
ggcctggatc ttctcgcgct gggagcggag cctttcgacg ttgccttcga ttttgccttg 240
gaggcggagg cgcttganac tgaggccgcc catggaccag tgggcctctt cggcccatga 300
catg 304

<210> 35893
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35893

agcttgatca ttactttatc taaacattcc aatccactca atgtatacaa tttctcattc 60
aagtcattaa caaacactca ttcataagaa ttcacaccac agaatatcat aatcaatcag 120
ttcactgttc aaacaagctn tntgtacaag caatcaacac taaaataact ggaatttaaa 180
tgactgaaac ataaactaaa taactgataa aataaattgt tcataatttg caggattnta 240
aaaactatgc agaatttaaa actcctgatc atcctaactgc tgatcttctg catgctcggt 300
caaatccagc acctgagcag taggctcctg agctgctgct tctcctgag cgactagatc 360
agtctcaaag acaaatggct caggaggagc aagctcatcc tct 403

<210> 35894
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 35894

agcttgggttt cttttctagg attntggaat cgattaccag tgacaagntt tgaacaaaaa 60

tcacaagatg taactcttcc aatgggttttc aagggtttct aaagggtata actcttccaa 120

tggttttctt gaccagactt gaagagtcta taaaagcaag accttgattt gcatttgaat 180

aacacttact actttacaaa caacttttcc acatattctt ttacaacctt tgaatctctt 240

tgaacatctt cttgaacttc ttcttcttct tcttcctttg caaaagcttt ctatagtttt 300

ctgggttttcc aaaccttcga aacaaaagtg tggtattcat ctttttcatt ctcttcntcc 360

tttgccanna agatttgcca aggactaacc gtctgaattc tattgtgtct ctcttct 417

<210> 35895

<211> 338

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35895

agctntatgg actattatga taacctangc aaagtttcat ttagggctct tttacacgac 60

ccacatgtag ctgggaacac tntagcctca acagaacagg tataatacaa acaactatag 120

tagctccatg gatccttcac caagacttca tcaacagtc caacaatcaa acagtataaa 180

tcttggtttg acaanaaaca attgtaatat attagcacac atgtgcacaa attagatatt 240

ggttaataac aaaagaatga aatgggaactt gacctgtgtc aatgggttta tctcacctag 300

cctcaccact tttgcattac gtaaaaatct accaagtg 338

<210> 35896

<211> 457

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35896

agctntaaca ttgatacaac tttacccacg ggagatttat agagtgggtc atacttaaag 60

actgcaaacc ctctanatca aacctgcaa aaagaanaca cttcaaagat aaaagtcana 120

ttgagtaa at catgtcttat ctacaagggt tctaccatta gcattctttt ccaagttgat 180

gtatattagt acttgaaaga gaaagttaca atcacttaca gggaacaaat gcaatctcta 240

atntgttgaa accttgagac atccttttttg taggttgtaa agttcaaatt tataaaaaaca 300
aatttgaagc aaagtggatg aatttcagca actataatag tgaataagtt actacaagac 360
agaagaaaca aatgtacaaa gacttgggtta catgtgcgca tgtgctatac cagaaataga 420
aagtacttgn gaagaacctg aatctaattc caatctt 457

<210> 35897
<211> 300
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35897

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gcacagggggg gaactacggg acaaccgacc aacgcagggg aacgacagaa cggagaaaaa 120
cacgggggaaa acgcccagag aaaggacgcc cccccaaccg gccacgcaag tcaccatctc 180
ccggccagat gaccagcccc gccaggcaca gcccgagaag gcgacggacg tccccccacc 240
cacacgtcct aacaagcaca ggacccaagc acagcaggcc aaggcgcaca agaggcgcac 300

<210> 35898
<211> 453
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35898

agcttatttg ttcctttttc tgcgaagaca aacgtttgga gagatgattt actaggaaat 60
gctatttttac agaaataatg acatagtaat cttttcgact tataacaaac ttgtgcacac 120
atttcctga agaagaacat ttatgaacgt gcatacgcg aaaatatact gctatctata 180
tcaatataca aggatattca aaacattcta gctacctata tcccacacat attcttttga 240
caagaattca tatatgcatg ctgaaggat agtgccagaa ttacatatgt ccgtattcaa 300
agcattctgc taccanaaag tacatacgca catgcaagggt attttactac ctaaattatc 360
atacaaatta atataggttg ttgttgggtg ctcatcaca tatattgtat acatatatgc 420
acatgcgaga gccaatattca tgttatggac aca 453

<210> 35899

<211> 335
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35899

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 tttccatgat tgataaataa tgttccttgc tttatcatat gagtatgggt ctccccaaaa 120
 tttatctctg gttatggggc tgcgaattag tgatgattgc actcgaatga ctgatttact 180
 tgcgaaacat acaagaacgg acacatactt acattcatac atgatcagac tcaatatcaa 240
 aaatacgatc ttcctctgta cctgaaactg atatgatttt ctattttactc gattcacaag 300
 gaatagtatt tattaccaac acctttctat atact 335

<210> 35900
 <211> 87
 <212> DNA
 <213> Glycine max

 <400> 35900

 atgacgatga aatcgaagtg cacattgaca gtgtggatgc tgagactctc tgggagcttg 60
 atatatttgt taccaactat aagaaaa 87

<210> 35901
 <211> 198
 <212> DNA
 <213> Glycine max

 <400> 35901

 agctcgatat ttttttgaca gcacactatc aatagagagg tgagtggata atcaatggat 60
 aatagaacgg atcgcgcat ttgctaactc ttttatattc cttagctcaa cactaaacag 120
 tggattactt gcttgtatct cacgattgaa gagccatgca cagagactcc tcttgcata 180
 ctatgtggca taataacc 198

<210> 35902
 <211> 539
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

<400> 35902

agactctact gaaactagac atagcaanac ngggaantna gctcgcaccc gggatactct 60
gagttgacct gcggcatgca agtcttttct atcttgtgnt agagacgngc attaggaaga 120
tgatatgata gaaaagagca attataatca atcgaagatt aaagaatgga taatagataa 180
gacgaacagg gggttctttg gaccatacaa tatctgaact acgtgcataa ttgcgcacag 240
agaatactgt tatagataag tattgataac ttggttggac ccttgggggtg tacatatatc 300
acctgtatca gttactaact gaatatttgt gtactctgct gtaccgcgct gaaccaaata 360
taatatgaaa ctgataggga gatgtcacta catccaaagc catattccca cctaaatgtt 420
acctcatact gccctatcga tccatgatga ttatgcntat tatctttgat tccgatgggat 480
atgactagcc aagtcagtcc atgacatgct tatagtccgg aattacgatg acataacttg 539

<210> 35903

<211> 454

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35903

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ttgacataat ttggtctttg tttgtcaaag agcattntac acctatccac ccttcataa 120
ccatttgtca agtgtagctg attgatgttc ttttgacgaa caatatatta aaatctttat 180
gcaagttcga tagaatttga aaataaacia aacaaaaaat acacatcaaa attattgtca 240
aagaaagtac agtgcataca aatgcatgat ttacaatagc aacaaccaca taattaataa 300
cattagtaaa gttaaggatg gngactcaca agatactgat tattgtgtct ttagtcaaaa 360
tttctctgaa ttntgtcatt taatccacac caaaaatttt caattaaact gaaattcact 420
aaattgctta atttggataa caactataat aact 454

<210> 35904

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35904

agcttgctta ttatattcct atcatgctct agctatatca ccggnatatg tttcgactct 60
agctatcatg tcttggttag tagatacatg attctcatgg tttaccctat agtctcttat 120
aacagcagaa gtccactatt ctatgtaatt tggaagtaat taagggtcaa tactccatat 180
gtntaatagg agagaaggca tattaaacac tggccaatgt ctaanaatag agtcattgtc 240
ttcatcaatg tcttcagaat ctgtttcatt gtttatgaaa cttcgtgctt gacacttctt 300
atattcttcc cactntttga ttgctntaag aagttcttgg gaaagaacaa ttttttctga 360
aaaagaaatt tcagttttgt tgggctcctt ataggggata tatgactcan aatatgaaca 420
gtgccataaa tcatcatgac atcctagagg gtctatatc 459

<210> 35905
<211> 450
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35905

agcttcttgg ttaatatctt ttaccacttc aacatgtcat tcgaagtcaa aacctaaggg 60
tggtacttgg gaagattang ggtggcaatg taagccttgg ccggacgagt tgggctagat 120
gactcaaccc gctagcccat attgactcac ccgcctaac ccaccaacct agcgggacag 180
gttggctagc cagccatcca tacatacata tacatatata tacaatatagg tgttttgtct 240
tacttgtcac tttgtatctt ttaagtttat agtgctattc aaaaatcaca atatatatgt 300
gctatcatct ttatattatt ttataaattt aattccttta atacaaatag acaaatttat 360
attaaaatta aatctaggat aaacaattaa tatattntat gttctctaga taaatctgtt 420
catttgggat aactttatag aataagatga 450

<210> 35906
<211> 601
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35906

aagcaccgg gactaacacg accgcagcat tgcaggttac atatannata ttaannnnaa 60
nnaaaaaaaa aaaagaggan agttgacact gagccctcgc ncanacccca nnaannnnan 120

gctaagccca attccaaatt ttcaaattccc agagagtttt ggggcttagt gcagtangcc 300
 tgcgcttatc actgtctgca actcaaaatt ttctgcaatc gcgcttacat gtatgtangc 360
 tagcgctaatt cagctctact aca 383

<210> 35909
 <211> 625
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35909

gaccgacagc caccactaan attgangata cgagtcataa ctacagtctt antataaaaa 60
 anannaaaaa nnnnnnaaga ggaacgaaaa ctgatcctcn gtatnaccnc cnannanaan 120
 nnannnnngnc cnnngnngan nannaanaan anannnngnag gaaagcaaga nnattttata 180
 gngnnanann aaaaannagg agaaaggaag ggaatagnag aggaaggaga gaaaaaagta 240
 taaggtaaaa attgaaaata agaaacgagc aggaagcata aagtgaaaag acccggggtgc 300
 ccaatgagag agctaactca caacaataga cgcgcgctca ctgaccgcta tacaatcgag 360
 aaaccagtca cgccagctgc atgaatgaat aggccaacgc gaacccttg cggccgcca 420
 gaccggaac caaagctcat gtacgacaag cgaacaaca agttatgcca tgcacccgat 480
 gagaacactt attcaagcgt agcaaccaga acgctaaggg caccaatact gccttataga 540
 aatagccca cacctgccaa tcaatcgaaa acagatggaa tgcgtacaac atactgccga 600
 cacggaaaac atcacaaact gaccg 625

<210> 35910
 <211> 629
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35910

acgcgagcag agaaccactc gtagaccgag tacaaagtag catanacca aattttaaaa 60
 nnaaaaaaaa nnaaannagg gagagacggg gnttttgatt cgagtacgat acgccnggcc 120
 aanncnnaen cngnncccg ngacgcgana ggnccaccc gcaggcaagc aagcccacta 180
 ttttatttta agtccaagcc cacacacgaa gaagaagaga agcagggcaa gaccacatga 240

gactggatga catacaagat ggacgaaata caaccaagat gaaataacag acggataaga 300
 taagatgtga taaaataaaa tcgcccgcgc tctaaaagac caagcccaat agcttataac 360
 gaccctgcaa atgaaaaaaaa acacaaaatt aggcattggag acccacatga caaaactgca 420
 taatgaagtg gacaaccaag gctaatacacc aaataaaatg gcgagaaaaa ccggtcagaa 480
 acaagagaaa ataatagacac atcagtcattg tcggacaacc attagctagc cacacactcc 540
 cctgacacta gagactgacg acttagctcg accttgacca cactcttatt tcaagctcag 600
 cccaaggca agcactacac ngctacccg 629

<210> 35911
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35911

aaaagaaaag aagagaaaaa aaaaaaagaa gagggagacg ggaccnaaaa gaannnggaga 60
 aaagaaaaaa gaaaaataa gaaaaaaaaa agggagagag agaaaggaaa aaaaagaaaa 120
 gaaagaagag gaagagagga agaagaagaa aaaaaggaag gaggagaggg agaaggggaa 180
 gaagagaaaa agaagaagaa aaaggaggaa aaggaaaaag aggaggaaga agaaaggaag 240
 aagagaaaag ggaaagaaaa gagaaaaaga gaagaaaaaa aagagaagag aagaggaaaa 300
 agggagaa 308

<210> 35912
 <211> 558
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35912

aacaacatga aacggaagag gaaagagaat aagaananaa cnaaaacana aaaaagaagg 60
 gtgattggat ctgtagnaca gcaancanan aannnannaa ngagggannn aaaaaannan 120
 anagaaaaaa aaaaaaattt tgttttatat ataaannaat attaatgga gagagtggag 180
 agatgtntaa aatgagatag gatagaagaa ngggattagg aaggaaatag agagagaaag 240
 agaaagggaa gaaagagagg ggataaagat gagaggaaag aaataggaga gagggaagag 300

atctttgtct ttgtggaaga acatggagat ggtgtgcgga ggcgaggtat gacaggacgc 60
aattttccct ctgcaaggac gccaacgcca gtgacatctg agaagcttgg atatataggg 120
actgtaaagc aacttagaag ttcattgacta ggacttgaga agagtgaag gttaaaatac 180
ttctatctct taagtttgac aatttgttta agtgcacaga ttaaagctaa tgtttttgat 240
tctacgtagc agggcaggtc gtccaaccac cagtaaaactt tctgatcgta aggcataatgc 300
acgccagaaa cattcagcaa ttagtgcatc agcagatntt cttgggtacta atttctgctt 360
ctagaanaga ataattgatct caccttctca tatgtgtata atacaagtat atcattaatc 420
ac 422

<210> 35916
<211> 435
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35916

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agggtcgaac cttcaaacia gctcggccag ttaagtagat ttttaggcta tcaattcttc 120
aaataggtaa aattgagtca taaaaaatgg tctatgacaa gtaaacaatt cataacttagg 180
cttaccacaa gtctagccta gtctgtcttg ttttcatctc aaatgcctat atttaagttt 240
ttttttttat aaaaaaataa gtctatttta tatctatgca tttattttat atttactatt 300
taatttaata cttaaatgtc tntttcatte ttgcanatat gttacttttc ctataagtcc 360
agcaagtata tttttgggct ctcaaattat atttnttatt tgtagctctc taaataatat 420
tntttaataa actcc 435

<210> 35917
<211> 453
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35917

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ttagagttta tctctcttat cttagtgaaga gtgattctcc taaattcttg agtgattcaa 120

gaacaccctg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180
 agtgattctt ttcttctttt catcttcacc cttgttcttt caaaccacaa ttccagagaa 240
 ttcacctctg cccagaatta tctcgtggcc ataactccca ttntacgcac tcaaattaag 300
 tgattcttga gcctacattg aatttcataa cgagaccttt cacctcgctt tggaatcacc 360
 tcatttggag tcctgtagct tcagttattg ccatttctat atttctgcca gccatcactt 420
 aactacgtt taccatccca tcatccatct atg 453

<210> 35918
 <211> 263
 <212> DNA
 <213> Glycine max

<400> 35918
 catatatacc tcctcctcta cataaccatt aaaaagaact gtttcacatt catttggtgc 60
 aactcaaggt caaaataagc aactaatgcc aagatatata aagagaatct ttcatagata 120
 caggagaaaa agtctttgtg tagtcgattc cttctttgtg agtaaattccc tatgcaacga 180
 gtcttgccctg gtatctctca atgttggcta atgaatccct ttggtctta aaaaccctt 240
 tacagccaag ggcctttgcc cta 263

<210> 35919
 <211> 183
 <212> DNA
 <213> Glycine max

<400> 35919
 ctctttcaga gccatgctat gtgctcgtga ctggccattt cttccctcgc acttgagtcg 60
 ctatgctacc cataagctcg cgaaattatc ccggcccata ctcttcttgc gagccctctt 120
 ggtctcttgt tcaagggtc ttgcggtaat tgcattctct tcccgtacc cggcacactc 180
 ctt 183

<210> 35920
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 35920

gcttctatct gaccaaaaag gacggtctta taccgcgccc tatttttgct cgagctcatg 60
 ctgatatcga gatgggttctt ctgatgggat atgggtacgaa tcactattat aagcatatga 120
 ttaactagac gtgcggttac atgcctctct taaaaacttt acatgatgat ttgtaattat 180
 tctttcttct tttcgaatgc ccgaccaagc tttaggcgac catcatttga aatattactg 240
 ttatcatttg atgtactttc tgggctatth tttc 274

<210> 35921
 <211> 314
 <212> DNA
 <213> Glycine max

<400> 35921
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 cgacttacia caacgagccg cgagagactc atcgtaagga tgcacacgtc aaagctgact 120
 ctgcgaaaag attgtatgac caagcgatcg tgcatttgc aaagaagaat gaaagttata 180
 ctaaacgggc catcaagaga aggaatgaag tggtagtggg acctgatgat gatcctggac 240
 atgtgatggc aaatgctcta cagccaagat ggaatgatga tcttgaaatt ggccaaatac 300
 aagctaaatg ccta 314

<210> 35922
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35922

agctngatca ttctagtagt cctcaagact atttnnttgg tggttatgag caatagcagg 60
 ttattataag caccacatgt gctggaaaca acatatatac atgttgcaat aatccctcca 120
 gaatgaacat cacagccaac aaaaatcctg tctttcccca gtgcatacca tatatgtcct 180
 aaggaaaaag aatcttanaa ttattttcca tgtgtttttc aatatatata tatccatgta 240
 tgggtgcattc cgggggaatt ttgtagcttc ttttatttac tatattctct catactttta 300
 ttctcatcta gagtgatgaa aatgtggtat tcttatgaga atatg 345

<210> 35923
 <211> 533

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35923

 agacgtaant tgatatccat cgcnanccgn gaanacancn aggnaggcag cgagggatcc 60
 tatacagacc gcctgcatgc atgcaagcan agtcattggn ctaanagaca gggcaacaca 120
 cagacagga tggtaatagg agccnccaca cgccaagaaa catccaaaaa gaccattaga 180
 gaagacctcc ctatctatga atggtggagc tacgatggaa tgacacgaat agacgcttgt 240
 gtaccgtgta ctctcgccct ctaatgaaaa taatgatcca cacggactgg aaggaggaat 300
 agaggcttcc tgtgaccat aataccgctg acttcaacgt cagcgtactt accgcttctt 360
 cgatggatca gccattagag gagagtggcc gggatctcaa tcggatcaca tgaaagagat 420
 cgaacaacac atgatatcat ggccttgccg cgagcgatcc ggcaccaatg aatgaatgag 480
 gctggacaca aatgggcgcc acggtttcga gagaaaaacg ctgcaaattc gaa 533

<210> 35924
 <211> 301
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35924

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 ctacaacaat tgtagcaaga cctagtatcc ataatgagag anaatttggt gtttaatacc 120
 ttgcatcttg tatgaaagat gttctctctt taagtttggg ttacgccaca agattaactt 180
 gttggatcga gtggcctcag atcaattaag aaggggggggt taaattaatt attcttaaac 240
 ctttactaat taataattac tctgttaagg cttttactaa attgttaaga gaatgacgac 300
 t 301

<210> 35925
 <211> 370
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35925

accgggatcc ttaagcacct gcagctgcag cttttttttt atttctatca gctatcccag 60
 aggagaacga ccaagtgtgc cacacttcat agcatgggag gagcattgat attatcagcg 120
 aagcctgaca cttgggcatt nttccatgga cacaatgatc gtgtcctagt gagccataat 180
 accctgcctc agactttcgc catggcatgt tgagcatgct ccaaggatcc tatgcattca 240
 tagcattttc acctcctgac tcaccatcga gcaaacatta tgggtctctg acagaatcca 300
 ctcagaaaag cgatgccctt ggacattttt gtgtgcgaac ctccatgggtt ttgcttcat 360
 tatgttattc 370

<210> 35926
 <211> 247
 <212> DNA
 <213> Glycine max

<400> 35926
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 taatccctcc agaatgaaca tcacaggcaa cataaatgct gaccttcccc agtgcgtacc 120
 atgtgtggcc taaggaatag gaatcgtaaa atttatttcc atgcgtattt caatatatat 180
 atatccatcg ctgggtgcata cccgggggaat atctgagctc ctttattgta ctatattctc 240
 tcatact 247

<210> 35927
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35927

agtttgtttg tggtgcttct atggaggctg gatctttgag cttcaatatg gtcctttaat 60
 ggtgattttc caccatggag atgcagcgga agacaaagga naggagggtga gaggaggcgc 120
 catccattaa ggaataagcc atggaagaag gagcttcacc accaagatga gccttggata 180
 agaagcttgg agaggatgat tcaatggagg aaaagataga gggagagaaa gagggagggg 240
 gagcacgaaa ttgaaggaag aaaaaggag agaagttgaa ctttgagttg tgtctcacia 300
 gactctcatt catcaaagtt acaacaagtg ttacacatgc ttctatttat agactangta 360
 gcttccttga gaagctntct tgatgtagt gntagctct actg 404

<210> 35928
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35928

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 atatctccag gtaccactnt gtggtcaacg aataaaagta ggaagactga ctcttcaca 120
 ctttctcact tcaagcttgt aggattatgg ggtaccatc atatatggta ctaggtggca 180
 atcgggcat ggtgcaagtc gactctccac atccacaaat cacagataaa tccaccatcc 240
 ccagttgcc accttcaact gagctcacgt actccacgt agcccttctc ctggttcttc 300
 tcaacaccgg gtcccatca atccctccaa gcttccanaa catccaagca attcaacatc 360
 caaacatcat gagctatcca aaccaagaaa acagggcaga ggcagattac tctgccc aaa 420
 acacattcca ataccacagc tntccttact canataccca gt 462

<210> 35929
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35929

agcttcaaca atgggttagat ggaccatntc aagtgttga aagaatcaat gacaatgctt 60
 acaaagttga gctgcccggt gagtataatg ttagttccac cttcaatgtc tttgatttac 120
 ctctttntga tgcagatgta gaatccgatt tgaggacaaa tccttctcaa gagggagaga 180
 atgatgagga catgaccaag agcaagggca aggatccact tgaaggactt ggaggaccta 240
 tgacaagggc tagagcaagg aaagccaagg aagctcttca acaagtgtg tccatactat 300
 tngaatacaa gcccaagttt caaggagaat agtccaaggt tgtgagttgt atcatggccc 360
 anatggagga tgactatatg acaccactct tgtctcaatt tt 402

<210> 35930
 <211> 64
 <212> DNA
 <213> Glycine max

<400> 35930

aaaagaaaaa aagagaagaa agaaaaggag gaagaaaaga aagaggggaa aaagggaaga 60

aaga 64

<210> 35931

<211> 385

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35931

tacgtctaat actcagacac caacaaaaat taaanttann naanaaacga ccattctgag 60

accnannnnn nanggggggn nnnnggggng nggcgnnant ttttattgan anngaaggag 120

ggggggaaaa aagaaaaaan ggaagaaaag aaaaaggaag aagaaagaaa aagaggagaa 180

aaaaaaaaag aaaagagagg agagaaagga aaaaaagaga ggaaaaaaag ggaagggaaa 240

gaaaaaggag ggaagagaaa ggaaagagaa ggaagaaaaa gaggaaaaaa aaaagaaaag 300

aggnaaanaa gggaagaaaa aaaagagaaag aaagaagaaa aagaaaaaaa aaggaaaaaa 360

gaagngaaag aaaaaagaaa aaaag 385

<210> 35932

<211> 318

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35932

gcttactttc aaagtctaat tttgtaaatg gaataataga tacctaacc caacttccta 60

ttttcttttt acaatgtttg aagtgaaca gattcacaaa agggagtacg accattcttc 120

ttgaggtgag acaattgaaa tttgaatttt gatatcagca cggttgtgct gtaagaaaca 180

tgttcgttct tgaaaagtct gacactgatg gcttcatttg tgaaaaaata aagaatggcc 240

ttggatttag catgggtgtt ttggaactaa gccgagtgtg ctatatgaac catgctcatg 300

ctatangaag aacattcg 318

<210> 35933

<211> 78

<212> DNA
<213> Glycine max

<400> 35933

ggaaggggaa aaaaaaagaa aagaaagaaa ggataagggg agaaagaaaa ggaaaagaaa 60

gaagagagaa acagagaa 78

<210> 35934

<211> 240

<212> DNA

<213> Glycine max

<400> 35934

taggcgcgca cacttttagc ccgagggagc ccgctgtaac ctaaaggctc tattattctt 60

catgctattc tgggaaaaca gagacctggt aaatccccct actccaggac tctatgatga 120

tgtcatttac acagtaccct cgtaagcagg atgaaacctt catgctaagc tactaggacc 180

caggtccgaa agtcaaata tagactcact agaaaaccgt aattgaggct gcagcctttc 240

<210> 35935

<211> 348

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35935

agcttgaagt gngtatccca caatcttttc atagtagaat accggtaatg tgtctactat 60

cattgtcatc attttttttc ggtcattgag gtgccacttg agctgccagg tctctccacc 120

tttgggtgta ttctttgaaa gatctgtgcc cctttttgca catgttctgt tgttgcaccc 180

tatccagaac catatcaaaa ttgtactgat actgcctaac gaaggcaacc attaggtcct 240

tccaagaatg gactcgggaa ggttccaagt tagtgtacca ggtaacagct accccagtaa 300

gactttcttt ggaaggaatg tatcaacaat ttctcatctt ttgcgtat 348

<210> 35936

<211> 456

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35936

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 ccaaagaact cggaaatcaa cacagttata acaatggagt agcaagatat aagtatcaga 120
 gtattaaatc caataagcca aactcataat caaggaaata atcaaaccag aattcaaata 180
 acataaaatg tcaacaacca caaaatatcc aagactgaaa cacaagaaaa ataagcaaag 240
 tacttagcat aataatgtaa attctaagaa actaagagcc aaaatacacg gcttataaaa 300
 gataaataag cagaatctaa aatctatgaa gacgaaggag gtggtggaag atcaaaactc 360
 tgacgaatgt atncgacatc ctcttcaagc tgtgtaagac gaatgtccat accggcanag 420
 cgtgaatcta acgagtcana gcggtcacca acatac 456

<210> 35937
 <211> 257
 <212> DNA
 <213> Glycine max
 <400> 35937

cacaccaaca agaaccaata aaaaaaaaaa ggattactga accaaaaaaaaa ggcaaaaccc 60
 acacaatgaa agggcacagg ggaaaaacaa aaagacacgg gaaaaacgaa caaaaaaagg 120
 aaacaaccaa acccaaccca accaaccaga ccaaaaaaac aaaacacaaa aaaccaaaag 180
 gcacaaacaa agcaaaacaa ggaagacaca cccaaaagac agaacaccca caaaccccaa 240
 aacaaccaca gcacaac 257

<210> 35938
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35938

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 tggatggtgc ctccccctctt ctctttctct ttgccttccg ctgcatctcc atggtgaaaa 120
 atcaccattg aaggacctca ttgaagctca aagatccagc ctccatagaa gctccacaag 180
 taagcttcca tcatgtataa atttgcatag aattctttca ccaaatacag gtctatgtc 240
 ccacggcta aattggtgag gcgtttatgg aaattacgcc tctccagctc ggtcttaaag 300

tcattctaact cagtgtgata caactctact ttcctctcaa gtaaaatggt tcttcctaga 360
acattatcag tgtatttggt ccaagcatct aatgaagaga atctccttgt gtcattattga 420
gatg 424

<210> 35939
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35939

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tcgcttaaca cgcgaattaa gcgaatgtta catgtggatt ttttatattc taatataaaa 120
aatatataac attataaat aaaatgtgta aacaaagtaa aaaatatata atttaagtgt 180
tttttatata atctaagtct tgctgaatga tgatataata ttttgagtta gtataaaatc 240
atatattaag taaatataat gtaaaaaata tatttttaagt aatttagatg caaattgtgt 300
tactatttta gataaataga ttgtgcatta aaaaagttat agatagattt taatatgatc 360
ttatatcggg caaa 374

<210> 35940
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35940

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atggtagcat atacttcaga tcactcttct tcaagtgagt ttgaaccca accgtangaa 120
aggcagtaag gcacatgttg tgagtctaga ccaactcaca gtatttttagt catgtgatga 180
gcaatttatg tagtaacata ataacatgcg agtcttcaac taataagtat tcaagctatg 240
attatgaatt tgctctcttc ctttttgatt aatgctntct aattgtggta agtgtgtcat 300
aaagtgtttt gttatacgac agttaaaca agttaattgt tgacacaaaa tatttttgta 360
ggcacaatta attacttata caactaataa gtcaataaat gggtgagtgg tggatgtnt 420
gctaagtcaa ccatcaaatac taatctgtga ataact 456

<210> 35941
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35941

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 aaagtctgag agaccatata agtttcctag cgattttctaa ttatgtggga cattaagtct 120
 atcatatgct gacaatagcc gagaagccca tgaatntctt cgggggcgga gtaggtgtcc 180
 gccatcgct tggccttggc taacaatcgg ggaagttctt aactcccgtt caaggtaaga 240
 gcaaaccgat ccatccacac cgttgccctt tgggtgtaaag agtcgatcac ccttcctcta 300
 gcctcttttt ctgcgtatac ttgggcatac tcgtccgcga ccctatgctc gt 352

<210> 35942
 <211> 273
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35942

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 ttatgcgcgc attgtggatg tggaaaactt gttgtgcacc atcgcccgac tgccaccaag 120
 taccacatgt gatgggtacc ccataatcct acaagcttga gatgaggaag tgttgaaggg 180
 tgaaacttcc tgcttttatt gttgaccaca gagtgggtacc tgtagatatg tcgcgggggt 240
 caggagacct tgtggacgtc aggtgggggtg cta 273

<210> 35943
 <211> 519
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35943

ngaggctcct agtatcgtgc agtacgcgaa tnagctcgac ccgggatctt ttaatcaccc 60
 tgagcttcca ccttgaaatt gttgnttcta acctctcgct aacctatctg ctggcttagc 120
 gactggccgc aaagcacaac actcatgggc ttagcgtgaa gaagactcta gaanaagatg 180

<210> 35946
 <211> 361
 <212> DNA
 <213> Glycine max
 <400> 35946
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 ttccgcacac aacagggggg ggggaagaaa accccccccc caacagagaa aaagaaaaac 120
 cgggatgaag acgaaaacag aaaaaagcac agcaggcaca ccaggggaac acagccacaa 180
 ccaggccccg acgaacgcgg gagcaaacc cgaaggaccc gcacaagagc caacaagaag 240
 cgggaaaaag agacaacaag aagaaacccg taagacgaca aaaggaaata gaacaggcga 300
 gcgaaagcca gaaagcgcag agcaaaagag aaggaccaag agggagaagc aggcagacgg 360
 g 361

<210> 35947
 <211> 340
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35947
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 gggaaaactt atgaccattc gaatatctcg agagctaccg ttgttcaatt tcgagcgtct 120
 cgatatatta tgacccccaa tcggacatct atgtgaaaac gtatgaccat tcgaatatct 180
 cgagagcgtt cgctgttcaa tttcgagcgt ctagatgagt tatgtcctcg aatcgaacat 240
 tcgagtgaag acttatgacc attcgatttt ctcgagagct tccgttggtc aatttcaagc 300
 gtctcgatat attattgttc ccgaatcgga cactctcgaa 340

<210> 35948
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35948
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gacctccaat ctttaatgga gaggggttacc actactggaa aacccgaatg caaatTTTTa 120
 tctaggcaat agatctaaat atctgggaag ccatagaaat atggccttat ataccacca 180
 cagtagagag agtttcaata gatggtagtt catcaagtga aagcataacc atagaaaaac 240
 ctagagatag atgggtctgaa gaggatacaa cactgagtact atacaactta taaaccanaa 300
 acataataac atctgcccta ggaatggatg aatatttcac ggggttcaaT tgtaagagtg 360
 ctaacgaaat gtgtgacact cttcgattac acatgaangg actacagatg ttaaaaatct 420
 aggataaatg cactaactca tgagtatg 448

<210> 35949
 <211> 250
 <212> DNA
 <213> Glycine max

<400> 35949
 aaaacagggg aaaaaaaaaag agaaaatttt gaaggaaaag aagggggaaga aagagaacag 60
 aaaaaaaaaa gggaggaaaaa gaaagagaga aaaaagaga aaaagaggga gcaggggaag 120
 acaagaagaa gaggggaaaag gaaagaaaag aaaaagagaa aaagaggaaa caagaagaag 180
 gaacgagaag aaaagaaaaa aaaagagaag aaaaagaaaa ggacaaagaa acaggaagag 240
 aaaaaaagaa 250

<210> 35950
 <211> 513
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35950

ccaaggacaa gcgaacgaaa gcaaagggat tntacccaan ncaannnaaa gagtgtctac 60
 cctcatcaca cnnaaanaa ggganngaga gnnaagaga gagaggagga gattgtgtgt 120
 ttatagggaa gaaaaagggg ggggggagag gagaaaaaaa aaataaaaaa aagaaaaggg 180
 aagaaaagaa gaaggaagga ggaagaaatt aaaagagaag gaaaagagaa aattgaatga 240
 agaaagtgga agataaaaaa aaagagtaaa ataaaaggat aaaaagagtg aagagaagga 300
 agagaaaaaa tgaatgaaga agagaaaaat taaaggaaga agaagaacga aaggaaaaaa 360
 ttgataaaga ataaaaaaag aaaatgggta taagaagaag gaggaggaaa attaaaggga 420

aaagagaant gaagaagaat gaaaaatgaa ggaaggtgga aagaagagga agaagaagag 480
ggaagaaaag aaaaaaaaaa agatgaagag ggc 513

<210> 35951
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35951

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ggccactgct nttccatccc gcgatgcttc tcttcataac cgcctgagtg ggcttatagc 120
ctaaaccata cttcccacga tttcctttgg catttatcag gctagttatg ccgccgctgt 180
ctttgcctaa acccattccg ggttcgtaac cgttcccaa cataactcg gcatcatta 240
ctgctgcac ggacaggcaa ggctaccag agaaggagtc cacagaggaa atgcttacca 300
cctcaaaaga ctagaaagcg gtgtctaacg attcctctgc gggcttcaca ta 352

<210> 35952
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35952

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ttgcatcctt gccttatata cactcttgtc cttgaagaac aaccatttta tgctatggat 120
caaattcatt atatttatac ctgacctatt aaacactaat gtatacataa taacctatga 180
aacattaagt gctagctcat acatagctat gaacatgtag ctagaccatc ttgtggtagc 240
aaactccttt cttgatccaa tgtctcccta attgccttgt aaaagggttat ccatgaagaa 300
gagtatgcat caacaggacc ccacataaag gtatggtttg gacttgcaag gcatgcagta 360
acaaaaacca aaactgaaac tggcttaata ttctgtggga aattgaatgc caagttatca 420
ac 422

<210> 35953
<211> 306

<212> DNA
 <213> Glycine max

<400> 35953

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 ggctctcaat ggcgtgttag ccctttttgg catggccaaa atgtctacaa ctaacgcctc 120
 atccatgata tgagatctat tggctgtagc gtgagtgtag caagcataac acggccatcg 180
 ggggtggcga tccctcttct cgtagtctcg agctttgttc gagtcgggct tatcatgtct 240
 atattggccg aaatggcata cactcacacc tgttgaggtc gactattgac aaattatgtg 300
 cttaaa 306

<210> 35954
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 35954

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 gaattgccat tccttggatt atagggttga accaagctca tgcttttaca aaaaggttca 120
 tcaagtcaag ttgaaatatg gaagtaaccg tcttgcaaaa ttggggcaaa agatgaattg 180
 agtcacatca ctgcttcgtc tactgccaaa catatttagg attattgatg tccttgttac 240
 ttccagtttc accttgacaa agatgtcatg gaccatgttg aaaatctaaa ttgattcaac 300
 cccatatctt gcgtaaaaat tcgcaatact tcaactgtgc atcattcgca tgcattccatg 360
 ctattcattg gttgcattgc tcgttgcaatt ctttccttga aaaatacaaa aatgaactt 420
 atcattg 427

<210> 35955
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35955

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 gtgaaaagtt atgaccattc gaatttctcg agagcttccg ttgttcaatt tcgagcatct 120

cgatatatta tgtcccagaa tcggacatcc gagtgaaata tatgaccatt cgaatntctc 180
gagagcttcc gttgttcaat ttcgagcatc tcgatatatt atgtcccaga atcggacatt 240
cgagtgaat ttatgaccat tcgaatttct cgagagcttc cattgttcaa tttcgagcgt 300
ctagatgagt tatgtctccg aattggatat ctgcgtgaaa agttatgacc attcgaattt 360
ctcgagcgt ctctttgntc aatatcgagt gtctcgatat attatg 406

<210> 35956
<211> 447
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35956

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tagagagctc ctaagtttcc agatgcatc taattgatta caatatgtgg taatcgatta 120
tatcaagcta caaagacttt cttcttttga aactagcttg ggttatcgat taattcaata 180
aaaattacca atatttgaag agaactaaat tttgttgctt gttctaaca tctgcaattg 240
attacttaaa cttagtaatc tattacacat tgtttgaact tattgcttct tagaaactat 300
gagattaatc catctatctt ctcatgtntg ataaccacta agcatggata aagagaacta 360
aatctaagac acttaacatg cctagtttag atatatctga tacaatgcc atatctttag 420
agatctgttg acatttcaca tattaata 447

<210> 35957
<211> 290
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 35957

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tcaaccgctt ccaactcatt caatacagga aatttaccac cagaacatct aactctaatt 120
atctcatata caagatgctg cgaccttcta aaatctggag cccatgaatg tatgtcggcc 180
acattcaagt ctgataactt ctttgacgag ccagagaatg ctgctgtaaa caccctgcaa 240
ataaatacag tctacacctt aactccatac atagcttgca tcaaacctt 290

<210> 35958
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 35958

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 gcaaatcaac tctccattt ccacaagtca ggcataagca cacaatcccc agttgcccac 120
 ctttaaattg agctcacgca ctctatgta gcccttatcc tcgttctct atgcaactggg 180
 tccccatcaa cccctccaag ctttcacaat atccaaacaa ttcaatttca tttgtcatga 240
 aactacccta aaccaagaaa aacagagtgg aggcagaaaa ctctgcacaa aactcattca 300
 aattccacac tgtttctac tcacataccc cagtaacatt ctcttcgttc tgattcgta 360
 accattggat cgccttgaa atttactgag ggttcttaac acagaaatct 410

<210> 35959
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35959

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 tcaagggttg agaagtgaaa atgagaatgg ggtaactttg gagcaaaactc tcactcmeta 120
 caattctata acattaatct aaactctctc aaactgtttt tacgactaaa actctaccga 180
 atcaaaattt gactcctcaa caccacaattt accctataaa tggctcttgc cttcactttg 240
 gtcactcatt ttctctcttt gcacagccca agctttccca cagtcctaaa tgacatttca 300
 aactaggatt aactcactct aacctccaat aaccactaaa tccagatgtg gctcttmeta 360
 tctcgaagc atcacactct ttactcata tctactacatt cttaatcttt aacctaaagt 420
 taactctacc cttcatctct atc 443

<210> 35960
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 35960

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ataagttgac ttaattaaca tcggttttga aaaaatcgat gctaacattg gtttttctaa 120

aacccaatgt taacattaat atcttaacat cggttattga aaagccgatg ttaacattaa 180

tatcttaaca tcagttattg aaaaactgat gttaacttta atatcttaac atcggttatt 240

gaaaaaccga tgttaactgt aattgaaaaa accgatgta acattgtaa gttacattg 300

gttntgttta agaaactgat gttgtcttat tcataactta naaccccaaa atccattttc 360

ccccacgcca tcagttacca aaacccttct ccttttcttc gtcacgctc 410

<210> 35961

<211> 400

<212> DNA

<213> Glycine max

<400> 35961

ggcagcaagc tttttatctt ggccatgctg gattgttagg agagatttct tggcatttgt 60

gctcataaac gcaatatcca ccactccttc attggctctgc caggtattgt gattacagca 120

ggggagaata atcacattct cctctgacga cactttctga tactcatcac tctttctgtt 180

tgttatgtca gagggaatgt cgacgatgaa ttccctgact agactttcat atcaatctcc 240

caacttgggtg acagtattca acagtccagc aaccttgatg aggacatgat ctccttgcca 300

tccacagcat ctcttaccag agctctgtgt aatgcaagtc tcgctgata taaaaatta 360

cacctttcaa catctgcaat ggagtggaat gaaatgttgt 400

<210> 35962

<211> 421

<212> DNA

<213> Glycine max

<400> 35962

agcttattct ctgttaatgt aatttgagat gccgaagaa acaccattta ctagttaacc 60

atgcattatg taccatgttc aattatcttg ttttgttgtt gagggttttt ttttagaaat 120

gggtttatga tcccaacatg gttggctcat ggtgcctaac acatgcaact aataatgtag 180

tgtgaagttt cacgcttcca ccttttttgtt tttgttttgt agaggaaaac gcatggatga 240

gcaaacatga taactgatgg tatgcaatTT tgcaaatcag aaagtttggt gaacgcatat 300
 gcatgatgat gccatgactc atgcatgatg tgatgttgga atatgataac gtgcaatagc 360
 aggaatgata tgttcattat gatgtcatga agagatgctt atgcatgca tgatatgaat 420
 g 421

<210> 35963
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35963

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 tagtttttaa aagttttttt caaaacctga gtaccacatg aaattttctc aaaacccttt 120
 accaaagagt ttttactctc tggtaatcga ttaccagatt attgtaatcg attaccagta 180
 gcaaaataat tntcaaaaag ctttcaactg aatntacaat gttccaattg atttcaaaat 240
 gttctaatcg attacaatgt tttggtaatc gattaccagt gtgtttgaac gttgaaattc 300
 aaattcaaat gtgaagagtc acatcctctc acaaaaaagc tntgtgtaat cgattacact 360
 aatttggtaa tcgataccag tgatagtttc tgaacaaatc anaaaatgta actcttcann 420
 atagttttta ctttttttaa aatgg 445

<210> 35964
 <211> 362
 <212> DNA
 <213> Glycine max
 <400> 35964

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 acattgaatt agagcttgaa ttacacaaaa atattacttc aatcagtaca acatccatta 120
 accaaggccc gatTTTgtag gtgtataaca atgtcaatta tgtacaaaag tcaagtaatt 180
 aaattccctg tacgtaaggg cattcatgag tgacatgagg ctcatTTgtg ttgttattgt 240
 ctttgaaaat tattatatct tttgttcatt tgttttccat tatttatgat tgctccattt 300
 ttggctgcct agctggctag ctttttagatc aacggaaaca atgggttgat tctaaagggT 360
 ag 362

<210> 35965
 <211> 322
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35965

 aaaaaaactt aatggctgag tgtaactgan attgtggcaa ccaaaagtca cccncaacag 60
 ccaacaagtc agccaccatt tgggtctccca aaatgctgat gcctatgttg ccaattgggc 120
 ccttattaca acttgaacta aacctaacta aagccctttt agttgattaa cccaaaacat 180
 atntttggtc agccaacttt acaaggattg ggccattatt tagacaaact aaacactcta 240
 aaattgagac aagggtggtgt catttagtcc tccttcattt gggccatgat acaactcaca 300
 accttggaact tttctccttg aa 322

<210> 35966
 <211> 406
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35966

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 ggagtatgac agtcaccgct ttaggagcgc tgtaacacag cagcgcttcg aggccatcaa 120
 gggatggtcg tttctccggg agcgacgcgt ccagctcang gacgacgagt atactgattt 180
 ccaggaggaa atagggcgcc ggcggtgggc atcactgggtt actcccatgg ccaagtttga 240
 tccagaaata gtccttgagt tntatgcaa tgcttgcca acagaggagg gcgtgcgtga 300
 catgagatcc tgnngtaagg gtcagtggat cccgtntgat gccgacgcta tcggccaact 360
 cctangatat ccgttggtgt tggaagaggg ccaggaatgt gagtat 406

<210> 35967
 <211> 376
 <212> DNA
 <213> Glycine max

 <400> 35967

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gaggcacaag cttgaagaca agactatacg acgtatcttc cttacgtata gcaatatgtt 120
 taagggtac cgtgtctaca acttgcaaac taagatactc gtcacgtcg agatgttgaa 180
 gttgatgagt acgctgctcg gaattgggat gaagaaaaag tggagaaaaa cgttcttatg 240
 actactcaac tacctcaaga agaaactgag gaataagacc catgtgaacc accttcacct 300
 ccaccacaac aacaaatcag gaactatcat cactagagtc tgctctaaga cgagtaagat 360
 ctttactgga catata 376

<210> 35968
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35968

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 atgatgattt cagtcttttt gtaaagagat tcaacaaatt tctaagaaac aaaggaaatc 120
 aaagaaaaga gtagaagatt catcctctct tgcaaaatgt tatgaatgca atcaaccagg 180
 acatctgaga gttgattgcc caagtttaaa gaaaagaata gagagatccg aagagaaaaa 240
 ttccaaagat aagaaaacaa ataaggccta cattacttgg gaagacaatg atatgaactc 300
 atctgaagat tcagaaaatg agagtgtaaa cctgagtctc acgacgaaga attatgatag 360
 cgatgaagaa gaacatcttc taataacaca ttatatatct cattngatga attacaagat 420
 gtattcactg atntacataa agaatcaat 449

<210> 35969
 <211> 387
 <212> DNA
 <213> Glycine max
 <400> 35969

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 gagtttctca acaagcacct aacaaggggg taaaactaca gctatactca aacgatatcc 120
 aaatgagctg atattttgtg aggaacaccc taaaatcatg aaaagatagc acaaaaaaatt 180
 tcaaacaaaa attcaaagtc aaaatatgaa aactacctaa gcaaagtta gaagaataag 240

acactaatac taaaaaata ataaaaacct agtaaacggc tgatatttca agttttaaac 300
 ggaaatggac ctctggttga ttgccatggc atgggacatt ttcttctacc ccaaatgcat 360
 atataataat agtcattctg ataccg 387

<210> 35970
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35970

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 atattgttgg tacaatcaaa acctatccta gccgtgaaag gaatacaatg atcatccggt 120
 gatacaagga ctgcccctac tccgtggccc aaagcattaa acgccccatc gaagcacaca 180
 atccatttgt gtatgtcttc gtgcgtctgc ttgtcttcaa acagggccat gatatttca 240
 tatgggaact cggggtgcat cgcccgataa tccgggagga gttgctgggc caaataatcc 300
 gctaatagcac ttgcctttac cggtcttttg gtgacgtaca cgatatcgaa ttcagataat 360
 agtacctgcc accta 375

<210> 35971
 <211> 368
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35971

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 acttgtccac gcttaggggc tcgataaact cgtgaccctt ctacttgtca aggctaccat 120
 cctcaacatt agacaacact tagccacgct tgggggcttg ataaacttgt gacccttcta 180
 cttgtcaagg ctactgccct cgacactaga taacctccat tgacattaga caacctcttt 240
 tgcccacaag ctggctcaga gattngggg cttatgtaca gtccagggtc caaaaatac 300
 atgtgacang tgacatggca ctccaataac acatcaaccc ttcattgtcag ccctggcata 360
 ggagtata 368

<210> 35972

<211> 414
 <212> DNA
 <213> Glycine max

<400> 35972

agcttgtttc ttatctcgcc caggcgagca gggttgcttc ctccatatgc aacagccttc 60
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 taagtacacc cacctacctt ttttttggtg attctttttc gtaaagttag ggaaacttac 180
 gaatttcgta acgatacttg ttttctttcc gtaatgttag ggaaccttgc gaattacata 240
 atcatccctt ttttgactta cggaatgtta cagaacctca ctaattgtgc aacgatgctc 300
 tcatttgatt tccaggggtg cacagaacct tacggatcgt gcataaatat tttcttttgt 360
 tcttcgacat gtaccggaat ttcacaaatt gcctaattgat gggtgccaag cacc 414

<210> 35973
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 35973

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 acaataaatg aattgaaatt ctggaatttg aacacttacc ggttaaagac cgaagaacga 120
 acgaagaacg gtgaagaacg gtagaaaatc ttcacggatt ggctcacgaa aatgtctcgg 180
 aagcggtaca aaagcacctc agcttggatt ttcttcacga aaatacgttg ttttttactt 240
 aaaacagctg aaatgcatag cataggggtc aaggatcctt tggaacagcc ctctcgcacc 300
 tatttataga aaaaaggggg tggagcttgc cgcctagctc gcctatgcga gaagatggct 360
 tctcgggaa gtttcctgat gcacccccca atttgataag tcaccctcc tttatacttt 420
 acggaacatt ac 432

<210> 35974
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35974

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 ttacggaagc ctatcggaact tgatattctt cttntttgtc cttcctccca ccaatattaa 180
 gtggaaaagg cttaccacgg gttacaggaa ttttagggaa gcattacgga agccctagag 240
 gcccgttttc aaaaaaagag ggaggtgttt gccgccagc ttgccaggt gagctgggtg 300
 cttagccagg aagcaagaaa aggtccagaa tctcttagat gggcccagat tcaagaattt 360
 ctatttgcac ctncatcttg ataagt 386

<210> 35975
 <211> 525
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35975

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 gtaggagcta gttgcgctct tgagtatgct attccccgtt tgacgagcgc tgttcgccag 180
 cttcgctact aagccatcaa tgggtggacg cttcaccagg agcgatgctt cctcctaagg 240
 acgactagtg tactgacatc cattaggagc atgggctcct gcggagggca ccgatgctta 300
 ctcccatggc ccacatgttc cagaaacacc cctctgtttc tatgaaatgc tctgtcacct 360
 atgacggcga gcgtgacatc acatactgtg ttaagggta gtggatccc agtgatgtgc 420
 acgctcttag acatgctctg cgacaatctg tgggtgnata agacggccc actcacccat 480
 ggactgctga gtactccgt catgaggctc attatggtgc tctct 525

<210> 35976
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35976

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 tctagaggac catcctanaa ggcccaagta ggccctgttt gctattgcac ccctctgttt 120
 actaaatata tccccctgcc tttttttgct tattcttttt ccgtaacgtt acggaacttt 180

acgaattccg taacgatact tgttttcctt tccgtatgtt acggaacctt acggattacg 240
 taatcacccc ttttttggct tacggaatgt tacggaacct cacgaactgt gtaacaatgc 300
 ttcctttnga tttcngcat gttacggaac ttcacggatc gtgcaacaat gctctentat 360
 aacttctggc atattatgga acttcaggta ttgtgcaaca atgggtgcca agtatctcga 420

<210> 35977
 <211> 515
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35977

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 gagctgcatg ctgccagctc gtattgttgt tgatccgaat ggtacatgcg cacgaggag 120
 ntgtccacac atattgaccg atagctatct gtgctctaga gagagcgatc tctctcacta 180
 cttgcgtgat tcaagaccgc gatggctgaa tcaaggacat tcacaacct cgtgagtagc 240
 cctcgctgga aagagtgagt ctttactctc tatgctgccc caccgttgtt cgctagagac 300
 acggtaccac aatatccacc tctggacaga atgatgtggt gaccatcact cgcatgaac 360
 acgactcgtg ccatgtgatg tctggcgcta gattgagttt gacgacgaga ctttccct 420
 ggctatggat gaccacatag ggagccatga gcttgccgat ctgcatctct atatgtagt 480
 anacaccact tacctacatg caccatacca ttctg 515

<210> 35978
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35978

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 cgtggccctt taaacgataa aaccacttgt cacanaacat aatcgaacaa cataacgact 120
 ataattatgg ctatccaacc agatttaaca aacaacttgt cgagggttga acacccccag 180
 acccaaacca cagtgcgtat agacaaaaac aacaatatgc cgagaatata tattataaaa 240
 taaattcgca tgccattgat gtaattgcc gagtttgtc tgtgccactc ttatcattca 300

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35981

 agcttctatt tttgctgaac cattntatca ataaacacaa gttgagtttt attcagaaaa 60
 ttagagttta tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120
 gaacaccctg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180
 agtgattctt tccttcctat catctccacc cttgttcttt caaaccacaa ttccagaaaa 240
 tccacctctg cccaaaatta tctcgtgacc ataactocca tttcacacac tcaaattaag 300
 tgattcttga gcctaaattg aattttcaaaa cgagaccttt cacctcgtnn tggaatcanc 360
 ctcatggag cctgtagct tccgttattg ccatttctat atttctgtcc agccaccact 420
 taacctacgt tntaccatcc cattca 446

<210> 35982
 <211> 415
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 35982

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 tggtagctgg agatatgtcg tggggatcag aagaccttgc ggacgtcagg tggggacta 120
 ttgcccanaa ccaagcttga ccaatcccga cccaaccggg gcatagtcgg tcagtgagaa 180
 cctgtgatgt acctaaacag gcgagctcct ggcagtcaat agataaaagg aacaaagacc 240
 acaaagcaag gaggtctgtg gtggctggcc agctgtgaaa ctggattgat atgtgagata 300
 tggctctctg taatcgatta ccaacgggtg gtaatcgatt acaatgctta caaatgaaga 360
 caggatgcta agatgggtctc tggtaatcga ttaccacagg gtgtaatcga ttacc 415

<210> 35983
 <211> 357
 <212> DNA
 <213> Glycine max

 <400> 35983

 tatttcaaaa ttatagctcc aactattcaa gatgggtacgg taaaaattca tcatatctgt 60

aactgtgaca gttctgatct gcaattagca atagccttgc aacaacatga gtttgagcat 120
catccaccac gccagaataa ttcacagcag caatcatcca ttactggtag ctctagactg 180
gtcacagggtc ctccaggtata tactgggggtg gatacatgta tacatatata cacagagaca 240
gcgttggtgt cgggtccctg tgtatcatat cgagtcgggc agccaatgga tgggatcatc 300
ttcaattttg tcgggaatct ctattattaa gtatcaaaga cccgatcata attatag 357

<210> 35984
<211> 386
<212> DNA
<213> Glycine max

<400> 35984

agcttcttat tttcatatga tgcagatggg tttgtagcta cctcatgcac tcctctaattg 60
actatggcat catttctggc gctaaactgc tgggagtcgg aggccatctt ctcaattaaa 120
tttctggctt cagcaagagt catgtctcca agggctccac cactggcagc atctatcata 180
cttctctcca tattactgag tccttcataa aaatgttggg caagaagctg ttctgaaatc 240
tgatgggtgat ggcaactggc acatagcttc ttaaactgat cccagtactc atacaggctc 300
tctccactga gttgtctaata acctgacata tcaactctga tggctgaggc cctggaagca 360
aggaacaaat gttctaagaa tactct 386

<210> 35985
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 35985

agctnttact ttatatccag ggggtcctgt ggaacagcga ttgccaagag gccttcgaga 60
agatcaaaca gagtctcgca aaccccccg tgcctatgcc acctgtaaca ggaagacctc 120
tttctctgta catgaccgtg ttgaacgagt ctattgggtg catgttgggt cagcacgatg 180
attctgggaa aaaggaacaa gccatttact atctaagcaa gaagtttacc gcatgtgaga 240
tgaattactc aatgctggaa aggacgtgtt gtgctctggt atgggcataa catcggttta 300
ggcagtacat gctcagccat accacgtggc ttattttcaa aatggatccc gtgaaatata 360

366

```
<223>      unsure at all n locations
<400>      35986
```

| | |
|-------|-------------|
| <210> | 35987 |
| <211> | 199 |
| <212> | DNA |
| <213> | Glycine max |
| <400> | 35987 |

| | |
|-------|-------------|
| <210> | 35988 |
| <211> | 418 |
| <212> | DNA |
| <213> | Glycine max |

gtgtgaagaa aggccaagat cttgatggtg aacctgcaaa gaatattaaa caccttctct 60
ttccaccagg ggtaaatttt taattcatgg caacctgggt aactagggtg actaaggctt 120

06-11-2017

```
<223>      unsure at all n locations
<400>      35989
```

| | |
|-------|-------------|
| <210> | 35990 |
| <211> | 264 |
| <212> | DNA |
| <213> | Glycine max |

```
<223>      unsure at all n locations
<400>      35990
```

| | |
|-------|-------|
| <210> | 35991 |
| <211> | 377 |
| <212> | DNA |

<213> Glycine max

<400> 35991

agctgtagga ttcatgttac aaagaatgaa gaatcaagag gggtcgtaat caagattcga 60
gactcaaaac tcaagaatca agagaaaact ctatcaagat aagtactaaa agagtttgtc 120
aaaatattga gtagcgcaag aatgtttcac agaattcttt accaaagagt gttactctct 180
ggtaatcgat tatcagaagg tagtcatcga ttaccagtcg tcatcattgt tttcaacact 240
gatttacata gctatgatcg attaccataa tcatgcaatc gactaccaat attctataac 300
gtgagatgtc aaattataag agtcacaact agtgagtaaa cattgtcaaa tcagttttaga 360
cttgtgtgat cgattac 377

<210> 35992

<211> 679

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 35992

nnaaatgtcg ggtaggggca tgnagtnaac cggngaantn gagctcggtta ccccggggag 60
tcctctagat gtcgatcctg catgggcatg ccaagccttc actaatttta tatctcaaaa 120
taagaaaata caattgaacc actgtcgtgt tcattcattc tatgtatctt ttcattggca 180
ggtagaaact tgacaaattg gagcaaaaca gatacttctc cactagacac catgtcacia 240
cgtctctagc gggcgacgag aagaattacg acagcatatt ttactttcat atcacaagga 300
tgcttctctg tggagaatac agtagaaata acgtattacg agcaacaatt ggtattagt 360
cgccataaga tatagcactt ttctcacagt actgtaaaga aagaactgta gatcagacat 420
ctcgtgatac tacacacttg gtgcagggtt ggggtggtgta tcattcacta tgtannattt 480
cttatagaan gtatcgaacg atacatatc acngccagta tgatctgact tcaccatcgc 540
cctcttcgta tgaagaggat accttctcga ctttctcttt attaanatct catcaattcc 600
gcntttaatc atacactgtc gtgcatatac ctgattggac tctatctgac cttattttgc 660
gaatgntatt ggccgtcgn 679

<210> 35993

<211> 487

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35993
 gctcgacccg ggatctctaa gcacctgcag catgcagctt gagcctattc ctgactcacc 60
 ataaaccttg acccaggggtg agaattgtcaa tccttaccct cggaagcaaa aaaagaatag 120
 aggggaaatt tccaatcaaa gaaaaagaga agggaaaattt ccaatgaaag caaaaaagga 180
 aaagaaggaa aattcccca tcaaagagtg ggagaaagca aaaaaagaaa agaaggaaaa 240
 ttccccaatc aaagagtggg agaaagcaaa aagaaaagaa aggaaaattc ccaatcaaag 300
 aatgggagaa agtaaaaagg aagaagaaga aggaaagaaa gctcctgatc aaggatcgaa 360
 agaaaacaga agaaaagtgc agagaggtct ttggaccgga caatatctga acaatacaga 420
 attgccacca aatgaacgan taaagaatga aggggaaccac gacctanaat agtcttctcc 480
 ctttgat 487

<210> 35994
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 35994
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 gctctgttga gcgagctatt gtgcaacctg caccctccat atcatataga tacgcatgat 120
 ggggctgacg agaacggtcc attatcatat attaataggc tctcactgta atttatgaga 180
 acaacgatac tgaataacaa taatctgcgc ctacgcatgt ccatgaccct tccttaacat 240
 ttgcgcgatc gacttgtggg cgtaatgacc ttcttctttc ataacacggc aatagtattc 300
 atgacttggt aattaatcta taagcgatgc cacatcttgt gctcacatgc taactcattc 360
 tctacataca gaatactata ttgtgtagcg agacttacga ctattggtac aacctacn 418

<210> 35995
 <211> 441
 <212> DNA
 <213> Glycine max
 <400> 35995

ttggaaaaac actaccacta caacttttga ggggcctcta tatggcacca ataagagct 180
 cccactcttg aaaggtgaaa ggaatcatct ctgtttanat gcatgaaccg gatggacgag 240
 ctatacgctt gccttatgtc tgaaagatat ctgtcccatc tgtctctgtg agactcgatg 300
 gaatatgttg gccctcatcg atgagcgcat aaataagcta caattagtgg cgactcacia 360
 gcaacagctc caagattagt acgccaacat tctatcatac atggaaccaa tggagatggc 420
 attgatatat tgtcg 435

<210> 35998
 <211> 243
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35998

agcttcaaca tttcttatcg agcgtttcca tatattacgg gactgaatca gacatccgag 60
 taanaagtta tcgtcggtat aatttgcctc gagcttcggg attgcatttc gagcgctctcg 120
 atatattacg ggactcaatc agacatccga gtaaaaagtt tttgtcggtt gaacttgctc 180
 agagcttcca taatcaatat ccagccggtc catatattac tggactcaat cctacaaccg 240
 tgt 243

<210> 35999
 <211> 568
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 35999

agtgtgttag anannanann nnnnggtatg gcttcgngct agnatctncl ggngaattna 60
 gcgtagnagg cggtgatcta tatgtagacc tagcatgcat tgctagcttg cgttcttggt 120
 ttacttacct cgctgaagat acgaacattc gacgagaggt cgtgatgagt gaactgtcta 180
 cacactcggc ttgacaacct ttgtgaagat tggcgctcact gaacactgtt acgaggaacc 240
 gtatctgaaa gcgcctccag gttagatttt cttgacggaa acgattattc cgcgctcatt 300
 cagtggagag aagcgtgcct agagggctgg accccttcc tcttgcatte ctccactatg 360
 tatagcgaat taagggaggt ggttgccctc cagactgccg cagcgagcaa ggatgcttac 420

| | |
|-------|-------------|
| <210> | 36003 |
| <211> | 259 |
| <212> | DNA |
| <213> | Glycine max |

| | | | | | | |
|------------|------------|------------|------------|------------|-------------|-----|
| agcttattgt | ctattctctt | cgatcaaaca | cggccgtgtt | ggtgtgtcgg | cccggattta | 60 |
| aagcggggtt | cagcaccggc | tctgcttccc | taaccgtact | ggaagcggat | gtcgaaggctt | 120 |
| cgtcctctat | ggtattctgg | agtgttaaca | tgacctccga | gatggaagcc | atttgatctt | 180 |
| ataacgctga | tagatcggac | ttgatctggt | cctgcacact | ctctctatta | tgcattcctc | 240 |
| tggatcgagt | gttataggg | | | | | 259 |

| | |
|-------|-------------|
| <210> | 36004 |
| <211> | 346 |
| <212> | DNA |
| <213> | Glycine max |

| | | | | | | |
|------------|-------------|-------------|------------|------------|------------|-----|
| gcgctccacc | cgtcttctta | tatactatgt | tcttaaccga | ctagagaccg | tgcttggcgc | 60 |
| gacacatcgc | gcaattcata | gacaatgtcg | acgttcatgt | atgcttagcg | cacatgtctt | 120 |
| cacgttgcca | cacatccgca | cttgggtggac | aaggcgtaca | acaatcctct | atcagtaccc | 180 |
| tgctctgcta | gacacgcgatg | gctgtgctcc | ttctccatct | cacattttct | catatactcg | 240 |
| aggacgggaa | taaccgtgca | ttcaccttac | cctcttttgg | gagctgcacc | gttggctata | 300 |

ttcgggtggga ctctctgcct aaacactatt tcctctgatc cctcta

346

<210> 36005
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36005

agcttctagc tctatggact tacctataat taattccttt gatagccctt ttgagccttg 60
tttccctttc cttgttttga agctcactac aagccttaag tgaaaaacca tgatatcacc 120
atatecttaa ggaatttttg agctttggaa ttgttttggg aataagtgtg ggggggtttt 180
tgtttcattg gataacttgt tttgttggct atacttcatg atgtattttg ggccatactt 240
gatgtacatt gtatattggg taaatgttgg acatgctgaa tgaaatgttg tttctcaaag 300
gatatagagt aaaaaaaaaac gaaaaagaca aaaatagcaa taaagtcgag tgaataagat 360
cttaaattggc aaaagaatga tgagactctt gggttctactc tttatgttan aatttatctc 420
tacttctttt att 433

<210> 36006
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36006

agcttcaccc gtcttcttta tcctangttc ttcgttgact agaaaccatc agtggtgtga 60
aacattgaga atttgataga gaatgttgac gttcatgttg caaaaggaag atgtcttacg 120
ttgtaaacag attcgcagtt ggtgggtaag gcgttcaaca atcctctatt agtaccctgg 180
tctgttagaa atgaatggct taacacctta tccatttcac attttctcat atactccagg 240
aggggaatag ctgtgcattt atcttatect cttttgggat tgcaaattgtt gggttttattt 300
ggtgggagtc tctccctagt ttttttttta taggatcctt ctagagccgc caaatggct 360
ctaggcccaa cccacttggc cctccataat ggtcctagca cgccttagct ccctaatan 420
gngcactata caatcccact 440

<210> 36007

<211> 166
 <212> DNA
 <213> Glycine max

<400> 36007

ctgcgtttag tgatgaccac atagaggtac ctcaagatat gacatcgggg tcatgagacc 60
 ttggggacat cacgtggtgt gctatagccc ataaccaagc gtgacctatc ccgaccacc 120
 ccgggcataa tcagtcaacg agaacctgtg atgtacctaa gcatgc 166

<210> 36008
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36008

tgtacataat annattgtct ttcatagatn gacanaacaa acttatctaa aattggagtc 60
 gtcacgtcca caccaccggc gcctggagtc ataggcggcc ctcttgagat tctangaggg 120
 taaggtgctg aacttgatga tatagattat gttagaaaag atattttaat tattttttat 180
 ntttttgatg ataaaaaaat tatttaatta ttgactaaa taattttttt tgatagattt 240
 taatatttct taaaacatta cttannataa catttttcat cattttgatt cacacatcac 300
 atgctactaa ctaatagtgc tgcatactgt ttaggacatt ctatcttttc 350

<210> 36009
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 36009

agccttcctt ctttttacca attacccttc acccaattta aatccatctt ggcccttttt 60
 ccacaactct aataaatggg agagaaatgt tcatctagac catacaagtc cctaataatta 120
 tcagatccta caatttgagc tcctatggag caaaacaatg tgtgtctcct agagagggca 180
 tcagctacca catttgtttt tccctttttg tatttgataa catatggaaa ttgctctatg 240
 tactctaccc attntgcatg cctcttgttt aacttgcttt gccctctaatt gtacttaagt 300
 gattgatgat cactatgaat gacaaattcc ttggaaacaa ggtaatgttc ccaagtttgg 360

agggtcttta ttaaggcata aagctc

386

<210> 36010
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36010

agcttgactc tcttctttac atggcaagtt caacacactt tcagcaaatac tcttcacaaa 60
taactatcac aaagcataaa ccaagtaaaa ctacccatca tatctcccaa agccccatac 120
ccacgaaaat ttatgtgaga agaagtctac ccaaacctga gatttcgagg tcccacacgt 180
agagatgcac ttcacgactc cgaaaatgcc ttctttttgc gatttgaggc agaaatgggtg 240
accaaagggtt ggagctttta tggaggcttc aatggagagg aagaagaaag aaaaagcaac 300
gtgaggggaga gggagaaagc ttctganatc ttctgggtgag tgaggagaga gagaaaacag 360
ctctttgggt taaagaggct tttctctttt ctattatttt at 402

<210> 36011
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 36011

agcttaatgt ctttttccat attcaaatac gatcagtgtt ttgaaagttg ttctttttatc 60
aagtccatgc aaaaacatct gaattcattt gggtttttggg aaagtccttc attgtttttca 120
aaaattcttt tgctgtgttc tgataaaaaa ataagtttaa aaaaaaaata tactagttgt 180
ttgattcttt caaagtatgt tatgttcaag aaaaaatttt ctttttaact cccagaaaga 240
gttataatct ataactatac taacaaaata tcaaagcaca cacaaattag tcaaaataaa 300
ctcgcgtaag taaataagggt aataaagtac tgaatnttaa tacaaagcga taaataaaca 360
taaagataag ttcacgagtt tgtgaagatc atggctgagg cactcagtct cccccaatga 420
aacaaca 428

<210> 36012
<211> 434
<212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 36012

agcttgtcgt ttgttgacat tntaactttc ttaattagac aaggcatgat tgatcatgct 60
 gtgtgatgtg tatcagtcta tatgtacatg tacaatttct ctcaatgtca aaccaaattt 120
 cgtaagctaa atgtgtactc aatttttaag catatgctac aaaaatcaat actcatcaca 180
 acatataccc tcaactgcct ttaccaaaat aaaaacgtgt actcaatttt taagcccatg 240
 ctgcagaaat caatgctcat cacaatatat tccctcactt cccttttcaa gataggcaca 300
 tcaaaacaca tgatttatgt aatggagaat ggagatacta tagctgaatt cttatgacgt 360
 ataaatcgat ttaaggtagc aatttccatt tttctttcct gaagagttga gttcagtcct 420
 agcatctata tata 434

<210> 36013
 <211> 367
 <212> DNA
 <213> Glycine max
 <400> 36013

agcttcatgt tgtcgaatca agattaattc aagttgtttt gatgataaca aagatgatga 60
 caaaaagctc aagagaatga tttcaagatt gagtcacgaa caattcccat gagaatgatt 120
 tcaagattga gtcaagaaca attcaagaat caagagagat ttgatttcaa gaatcaagaa 180
 tcaagaataa tcaagatcaa gattcaagac tcaagattca agaatacaaga gaagactcaa 240
 tcaagataag tattaataaag tttttcaaaa cattgagtag cacatgaagt tttcacaaaa 300
 tcttttacca aagagttttt actctctggt aatcgattac tagtttactg taatcgatta 360
 ccaatga 367

<210> 36014
 <211> 328
 <212> DNA
 <213> Glycine max
 <400> 36014

agcttgaata tatgttttcc acgccagcac gcacttagcg cgtatgcagc ttgctaagcg 60
 aggcgattgt ctcttctgcg ctaagcacia gattgacgct aagccaaata ttacttacct 120